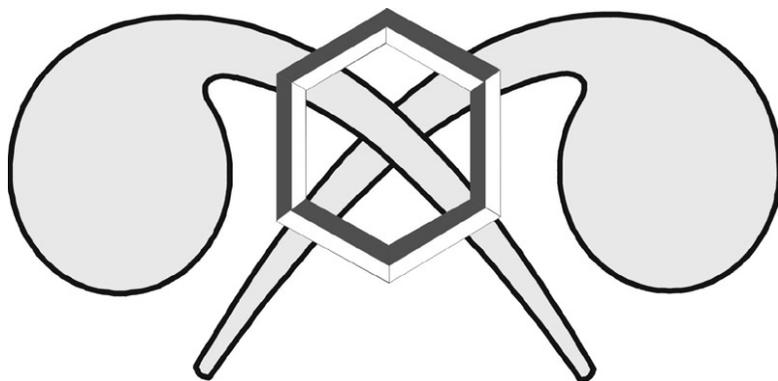


DRILLS FOR THE SMOKE/DECONTAMINATION PLATOON



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Drills for the Smoke/Decontamination Platoon

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PREFACE

1. Standardized drills are essential to the platoon leader and the success of the smoke/decontamination platoon. These drills provide performance measures and a collective set of sequential procedures that, when applied Army wide, will minimize the impact caused by turnover in personnel. These drills are for use by trainers at company, platoon, and squad level. When these drills are performed correctly, they help maintain the unit's training readiness and proficiency. The unit must perform the drills to standard at all times to ensure that they can be performed rapidly and according to established standards.
2. The target audience for this drill book is smoke/decontamination squads and platoons organized under the following table(s) of organization and equipment (TOE) numbers: 03-057L000, 03-377L100, 03-377L200, and 03-467L000.
3. The proponent for this publication is Headquarters (HQ), United States (US) Army Training and Doctrine Command (TRADOC). Submit changes for improving this publication on Department of the Army (DA) Form 2028 and forward to the Commandant, US Army Maneuver Support Center, ATTN: ATZT-DT-WF-C (Chemical Warfighter Division), Fort Leonard Wood, Missouri 65473-8600.
4. Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Unit Training

1-1. General. The success of the unit's mission always depends on the ability of its soldiers to execute key actions instinctively and immediately in reaction to a situation or order. Drills are designed to focus on a limited number of key actions that every like unit in the Army must master. Battle drills and crew drills are two types of drills discussed in this document.

a. A battle drill is a collective action executed by a platoon or smaller element without applying a deliberate decision-making process. The action is vital to success in combat or critical to preserving life. The drill is initiated on a cue, such as an enemy action or a leader's simple command, and is a trained response to the given stimulus. It requires minimal leader orders to accomplish and is standard throughout the Army.

b. A crew drill is a collective action that a crew of a weapon system or piece of equipment must perform to use the weapon or equipment successfully in combat or preserve life. This action is a trained response to a given stimulus such as a leader's simple command or the status of the weapon or equipment. It requires minimal leader orders to accomplish and is standard throughout the Army.

c. Battle and crew drills have the following advantages:

(1) They allow teams, squads, and platoons to perform critical tasks automatically because they have been practiced repetitively.

(2) They reduce the communication requirements because soldiers know what they have to do.

(3) They build teamwork.

(4) They save time, energy, and lives.

1-2. Training Guidance.

a. Train as you fight. This drill book is designed and based upon training principles outlined in the Field Manual (FM) 25-series. Drills are trained using the *talk-through*, *walk-through*, and *run-through* methods. You the trainer, of course, must be a master of the drill to train your soldiers to execute it to the prescribed training standards. You may wish to periodically talk your soldiers through the drill, explaining each soldier's role, and then have them go through the drill slowly, on open ground and correcting mistakes as they go. Whenever possible, train in an environment or similar environment or conditions where the drill is normally trained during combat conditions. Conduct the drill training frequently in mission-oriented protection posture (MOPP) 4. Be tough on yourself and your soldiers. A good team

executes training tasks instantly and with precision. Your team will pay a high price if it fails to meet high training standards.

b. Train to standard. Units fight as they are trained. Soldiers remember the last way they performed a task; therefore, soldiers must perform tasks according to established standards that are rigidly enforced by leaders.

c. The commander is the primary trainer. Leaders at all levels are responsible for training their soldiers and units. The unit's success on the battlefield depends on the personal involvement of the unit leaders.

d. Train using current doctrine. Leaders are responsible for knowing and training according to current doctrine.

e. Use performance-oriented training. Units become more proficient in performing tasks by practicing the specific tasks. The majority of a unit's training must involve task performance followed by a thorough after-action review (AAR).

f. Train to sustain individual and unit proficiency. The cornerstone of the drill book is the concept of sustaining unit proficiency. The unit must train, evaluate, and continue to train at all times. Because sustainment of training requires practices and repetition, constant evaluation of these training tasks (drills) is required to identify critical training strengths and weaknesses. Training emphasis must focus both on sustaining skills and correcting identified weaknesses. Training plans allow the leader to select tasks and groups of tasks to facilitate this training process and reduce planning time.

g. Train to challenge. Challenging training builds competence and confidence by developing and sharpening skills. It inspires excellence by fostering initiative, enthusiasm, and eagerness to learn.

1-3. **Battle Focus**. Battle focus drives peacetime training requirements from wartime missions. It guides the planning, execution, and assessment of the unit's training program to ensure that the unit trains as it intends to fight. Battle focus is critical throughout the entire training process. Commanders use it to allocate resources for training based on wartime missions requirements. It helps the commander recognize that a unit cannot attain proficiency to standard on every task because of time or resource constraints. A successful training program is achievable, however, by focusing on a reduced number of mission-essential tasks.

1-4. **Safety Consideration**. Training is conducted on a three-tier basis that includes total chain-of-command involvement. This involves planning, chain-of-command presence, and individual responsibility. Training must be performed to the appropriate training standards. Steps must be developed so that the training can be accomplished in a

safe manner. Do not take unnecessary short cuts; those same shortcuts could endanger the safety and lives of the troops. Soldiers must also be aware of the harm that they can cause with their assigned equipment. They must understand what can happen when they take unnecessary risks. The chain of command must be aware of the destruction and harm that units or elements can do to others during all phases of training. Soldiers must realize that combat training normally occurs in dangerous environments and under somewhat dangerous conditions. Leaders should not avoid training because of safety concerns but should train to standard and thereby achieve combat readiness. During the conduct of a drill, all soldiers and leaders must be safety conscious. All observers/controllers (Os/Cs) and trainers have the responsibility to ensure that all training is conducted in a safe manner. Before the beginning of a drill, all personnel should be briefed on specific safety measures to be observed during the conduct of all training exercises.

a. Tier I is the commander's responsibility. It involves validating the structural soundness of the training and evaluation plan from a safety perspective. The commander must consider the arrangement of training, make the program sequential, and conduct a level of training consistent with the abilities of those being trained. Safety-related matters must be addressed by military occupational specialty (MOS).

b. Tier II is the leader's (officers in charge [OIC]/noncommissioned officers in charge [NCOIC]) responsibility. It involves actions to be taken by responsible individuals (leaders, soldiers, civilians, and contractors) during preparation for training and execution of the training plan. At the training site, establish a training safety overwatch; focus on adherence to standards and accident prevention measures. Responsible individuals must know how to balance tasks against training requirements, monitor conditions for safety and health hazards and eliminate or control them, and monitor the welfare of the troops in everything that happens.

c. Tier III is an individual responsibility. This tier applies to everyone. It involves soldiers being "tuned in" to looking after each other and themselves. Establish buddy systems with each soldier charged to keep a safety overwatch on someone else. Stress individual training safety and first-aid responsibilities. Emphasize recognition of unsafe conditions and unsafe acts as well as alertness to human error. Anyone has the authority to halt an action that is inherently unsafe.

1-5. Evaluation Information. Training standards are provided as a part of each drill, and the execution of that drill is the standard for the task step.

a. Evaluation may be either internal or external. Internal evaluations are conducted at all levels and must be inherent in all training. External evaluations are usually more formal and are normally conducted by the next higher headquarters.

b. Failure to evaluate each task every time it is executed is a critical weakness. The Army Training and Evaluation Plan (ARTEP) concept is based on simultaneous training and evaluation. Every training exercise provides the potential for evaluation and feedback. Every evaluation is a training session. To optimize training, trainers and leaders must evaluate training as it is being conducted.

c. Place emphasis on direct on-the-spot evaluations. It is very easy to correct poor performance during drill training. However, in higher-level exercises with outside evaluators, this is usually not as easy to do. The habit of leader evaluation at every level makes the difference. The AARs should be planned at frequent, logical intervals during exercises (usually after the completion of a major event). This is a proven technique that allows you to correct performance shortcomings while they are still fresh in everyone's mind. Also, it gets everyone involved and prevents the reinforcement of bad habits by preventing soldiers from repeating poor performance.

d. FM 25-3 provides detailed instructions for conducting an AAR. It also provides detailed guidance on coaching techniques during the conduct of training.

1-6. Feedback. The US Army Chemical School requests your recommendations for improvement of this drill book. Your feedback will help ensure that this book stays current with new equipment and operational concepts that the chemical soldier will employ in the diverse missions of tomorrow.

CHAPTER 2

Battle Drills

2-1. Description and Format for Battle Drills. A battle drill is a collective action executed by a platoon or smaller element without the application of a deliberated decision-making process. The action is vital to success in combat or critical to preserving life. Each drill contains the following information:

a. **Drill title.** This is the name of the drill. It describes the required action.

b. **Task.** The task is essentially the same as the drill title. It describes or names the task (required action) performed by the unit.

c. **Conditions.** This describes the situation, condition, or environment under which the task is performed.

d. **Standards.** Standards identify the terminal objective of the drill. These are identifiable measures of how well the unit is to perform the task. These are actions that indicate how well the drill (task) is executed in terms of results or expected outcome. Standards are short, simple, clear, and observable or measurable for evaluation purposes.

e. **Supporting individual tasks.** This is a representative list of tasks used to support the completion of the drill.

f. **Illustrations.** As required.

g. **Setup instructions.**

(1) **Resources.** This consists of TOE assigned personnel and equipment; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition. It covers all essential items needed to complete the drill (task).

(2) **Maps with overlays.**

(3) **Training site.** This describes the training area that the unit will require to successfully conduct the task.

(4) **Unit instructions.** As required.

h. **Talk-through instructions.**

(1) **Orientation.** This gives a short explanation of the mission and what the drill is intended to accomplish. The key factor for the success of the drill's completion is that the drill must be accomplished to standard with little or no subsequent decision-making process or orders from the unit leaders. The orientation also gives a brief description of the conditions or situations under which the drill is executed.

(2) **Safety/Fratricide.** The unit must observe all safety measures and precautions outlined in the unit's safety standing

operating procedures (SOP), to include troop safety, protection of equipment, and environmental restrictions while conducting drill training. The unit must also observe all safety directives covered in the appropriate technical manuals (TMs) and FMs.

(3) Demonstrations (optional). If another unit (squad/platoon) has successfully performed the drill, that unit may be used to demonstrate the performance of the drill. Explain the critical actions being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this drill is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

i. Explanation information.

(1) Explain the objective of the drill in your own words.

(2) Unit leaders must be able to explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

(3) Unit leaders should make a sketch or diagram that explains the action required by each member in the squad/platoon.

(4) Unit leaders must be sure to clarify all unsolved issues and questions of the unit members pertaining to the drill. This is essential before performing the drill. Each member must thoroughly understand the tasks he is to perform during the execution of the drill.

(5) Unit leaders should have each member involved in the drill explain his part of the drill in detail before performing the drill. Unit leaders are to make on-the-spot corrections as required.

j. Walk-through instructions. (Use the same procedures as listed in the talk-through instructions.)

(1) This is a most critical portion of drill training. During this phase of training, unit leaders must move through the task very slowly to ensure that the unit is performing the drill and all of the task steps and performance measures to the standards. Unit leaders must observe the drill participants carefully and make on-the-spot corrections as required. As the unit demonstrates greater proficiency in performing the drill correctly at the slow pace, have them perform the drill at a faster pace; however, never sacrifice safety for speed.

(2) Initiating cue. The initiating cue is either the signal that unit leaders give or a trained response to an enemy action that causes the unit to perform the drill.

k. Task steps and performance measures. These are measurable or observable actions that the unit must perform to the standards to complete the drill successfully.

l. Coaching point. If needed, correct the soldier after he completes a performance measure. Soldiers complete performance measures in sequence and like-numbered performance measures simultaneously.

m. Run-through instructions. (Use the procedures as listed in the talk-through instructions.) The unit leader or trainer should practice the drill with the unit until the unit can perform the drill according to the established standards without the drill book. The initial run-through should be conducted slowly. Soldiers should change positions in order to learn all steps and standards in the drill.

n. Perform. When soldiers can perform the drill according to the established standards, unit leaders should evaluate the unit as a whole to determine the unit's proficiency in performing the drill.

o. Supported training and evaluating outlines (T&EOs). This is a representative list of collective tasks that support the drill.

2-2. Battle Drill 03-3-D00B4.

TASK: Use Movement Techniques (Traveling, Traveling Overwatch, or Bounding Overwatch) (03-3-D00B4)

CONDITIONS (CUE): The squad/platoon is moving and the enemy situation is known for each movement technique. (The squad leader uses arm-and-hand or flag signals or a radio to designate the desired technique.)

STANDARDS: The squad/platoon leader selects the proper movement technique according to the enemy situation.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0510	React to Indirect Fire While Dismounted
	071-326-0513	Select Temporary Fighting Positions
	071-331-0815	Practice Noise, Light, and Litter Discipline
	113-571-1022	Perform Voice Communications
	551-721-1359	Drive Vehicle in a Convoy
	551-721-1363	Drive Vehicle With or Without Trailer/Semitrailer in Blackout Conditions

STP 21-24-SMCT	071-326-0515	Select a Movement Route Using a Map
	071-326-0608	Use Visual Signalling Techniques
	071-326-5705	Establish an Observation Post
	071-331-0820	Analyze Terrain
	441-091-1040	Visually Identify Threat Aircraft
STP 3-54B1-SM	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5502	Issue a Fragmentary Order
	113-600-2007	Operate Telephone Set TA-312/PT
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads
STP 3-54B2-SM	031-508-2011	Conduct Tactical Movement Into Smoke Positions
	071-326-3049	Conduct Troop-Leading Procedures for an Operation
	071-326-5505	Issue an Oral Operations Order
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad
	071-410-0019	Control Organic Fires
STP 3-CST (ST)	031-508-2011	Conduct Tactical Movement Into Smoke Positions
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-3049	Conduct Troop-Leading Procedures for an Operation
	071-326-5502	Issue a Fragmentary Order
	071-326-5505	Issue an Oral Operations Order
	071-326-5610	Conduct Movement Techniques by a Squad
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	071-410-0019	Control Organic Fires
	113-600-2007	Operate Telephone Set TA-312/PT
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC) equipment; communication equipment; and ammunition.
 - b. Maps and overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move either cross-country or on existing road networks.
 - b. Enough natural vegetation and terrain relief to allow the squad/platoon to select a route that makes use of available cover and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to choose the proper movement technique. The squad/platoon's situational awareness and battle tracking skills are critical in choosing the right movement technique.
2. Safety/Fratricide. Ensure that—
 - a. Drivers are briefed to employ safe cross-country driving procedures.
 - b. Terrain- and weather-related hazards associated with the cross-country movement are identified.
3. Demonstration (optional).
4. Explanation.
 - a. Use the performance measures as a guide and, in your own words explain the actions of each squad.
 - b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
 - c. Answer all questions about the battle drill.
 - d. Have the platoon sergeant, squad leaders, and drivers explain their part of the battle drill.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The traveling movement technique is employed when enemy contact is not likely.

a. Vehicles move in column formation at 50-meter intervals (based on mission, enemy, terrain, troops, time available, and civilian considerations [METT-TC]).

b. Vehicles move continuously at a maximum safe speed.

c. Vehicles use the herringbone formation when the column stops.

d. Vehicles move along covered and concealed routes.

e. The vehicle column contracts and expands automatically based on the terrain and visibility.

f. Designated personnel for each vehicle maintain local security.

(1) Designate air guards for each vehicle.

(2) Designate primary areas of responsibility for each vehicle.

g. The unit performs required actions during a halt.

(1) Designated personnel dismount and establish an observation post (OP).

(2) The driver and surveyor dismount and establish security.

(3) The team leader/vehicle commander remains with the vehicle and mans the M240 machine gun and monitors communications.

2. The traveling-overwatch movement technique is employed when enemy contact is likely.

a. The unit moves in column formation at 50-meter intervals (based on METT-TC).

b. The lead vehicle moves continuously, following covered and concealed routes, and is approximately 50 meters ahead of the other vehicles, depending on the terrain and the vegetation.

c. Trail vehicles move at varying speeds, stopping as required to overwatch the lead vehicle, maintaining visual contact with the lead vehicle at all times.

d. In wooded areas or restricted terrain, the unit reduces speed and intervals.

e. In adverse weather conditions, the lead team dismounts to verify the trafficability of the route, while the trail vehicles provide overwatch for the lead vehicle.

- f. Designated personnel maintain local security.
 - (1) Designate air guards for each vehicle.
 - (2) Designate primary areas of responsibility for each vehicle.
- g. The unit performs required actions during a halt.
 - (1) Designated personnel dismount and establish an OP.
 - (2) The driver and surveyor dismount and establish security.
 - (3) The team leader/vehicle commander remains with the vehicle and mans the M240 machine gun and monitors communications.

3. The bounding-overwatch movement technique is employed when enemy contact is expected.

a. The basic movement formation is the staggered column with a 50- to 100-meter interval between vehicles (based on METT-TC).

b. The lead team bounds forward following a covered and concealed route.

NOTE: The bounding element may be a single team for a squad movement.

c. Overwatch teams provide protection using covered and concealed positions for the bounding element, maintaining visual contact with each element at all times.

d. The length of the bound is based on the terrain analysis and the ranges and fields of fire from the overwatch vehicles.

- e. Designated personnel maintain local security.
 - (1) Designate air guards for each vehicle.
 - (2) Designate primary areas of responsibility for each vehicle.

- f. The unit performs the required actions during a halt.
 - (1) Designated personnel dismount and establish an OP.
 - (2) The driver and surveyor dismount and establish security.

(3) The team leader/vehicle commander remains with the vehicle and mans the M240 machine gun and monitors communications.

COACHING POINT: Every member of the squad/platoon must know what movement technique to use according to the enemy situation. The squad/platoon must gather as much information on the enemy

situation as possible. Proper battle tracking and updated graphics/overlays will keep the squad/platoon up to date on the enemy situation.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1035	Conduct a Radiological Reconnaissance
	03-3-1041	Conduct a Radiological Survey
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-219-D60-MTP	03-3-1035	Conduct a Radiological Reconnaissance
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-10-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-30-MTP	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-477-10-MTP	07-3-C211.03-1001	Move Tactically

2-3. Battle Drill 03-3-D0C14.

TASK: Change Formation While Moving (03-3-D0C14)

CONDITIONS (CUE): The squad/platoon is moving from one location to another to support combat operations. Based on the enemy situation during travel, the squad leader gives the appropriate signal to alert the drivers to change from one formation to another. (The squad/platoon leader uses arm-and-hand or flag signals or a radio to designate desired formation.)

STANDARDS: The squad/platoon changes into the designated formation as directed by the squad leader.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-331-0820	Analyze Terrain
STP 3-54B1-SM	071-326-3001	Direct a Driver Over a Terrain Route
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-CST (ST)	071-326-3001	Direct a Driver Over a Terrain Route
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:**

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps and overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move either cross-country or on existing road networks.

b. Enough natural vegetation and terrain relief to allow the squad to select a route that makes use of available cover and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to choose the proper movement technique. The squad/platoon's situational awareness and battle tracking skills are critical in choosing the right movement technique.

2. Safety/Fratricide. Ensure that—

a. Drivers are briefed to employ safe cross-country driving procedures.

b. Terrain- and weather-related hazards associated with the cross-country movement are identified.

3. Demonstration (optional).

4. Explanation.

- a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.
- b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
- c. Answer all questions about the battle drill.
- d. Have the platoon sergeant, squad leaders, and drivers explain their part on the battle drill.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

- 1. The squad/platoon leader directs the formation change by giving the standard arm-and-hand or flag signals or by issuing a command over the radio, depending on type of vehicle used.
- 2. Vehicle commanders relay the appropriate signal and—
 - a. Direct drivers into position in the new formation.
 - b. Orient the machine guns toward likely enemy positions or assigned sectors.
- 3. The mounted formations are:
 - a. Echelon left/right (see Figure 03-3-D0C14-1).

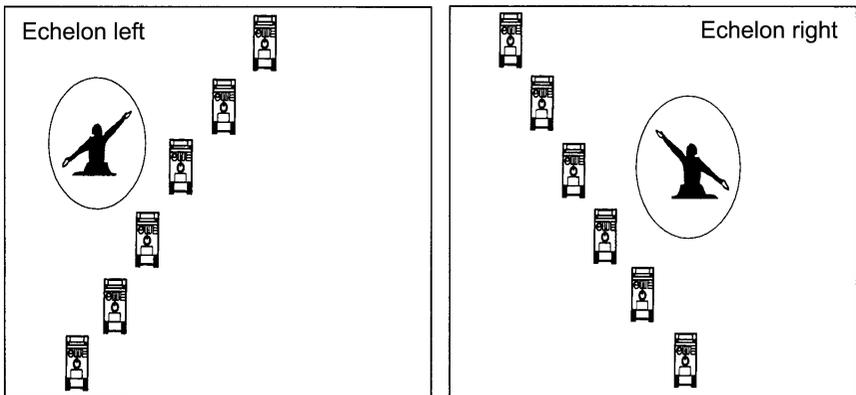


Figure 03-3-D0C14-1. Echelon Left/Right Formation

- b. Wedge or column of wedges (see Figure 03-3-D0C14-2).

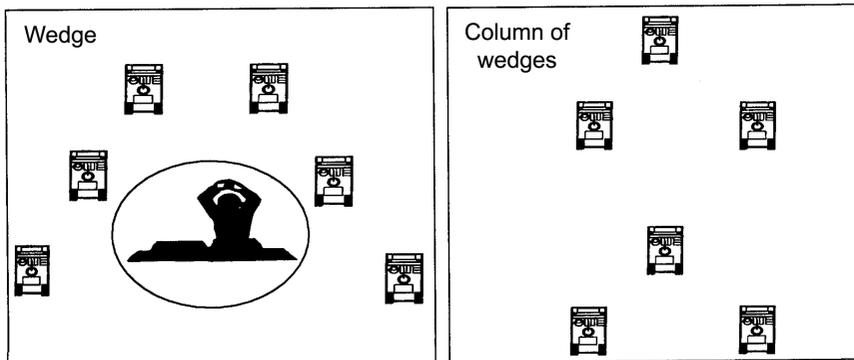


Figure 03-3-D0C14-2. Wedge or Column of Wedges Formation

- c. Column or staggered column (see Figure 03-3-D0C14-3).

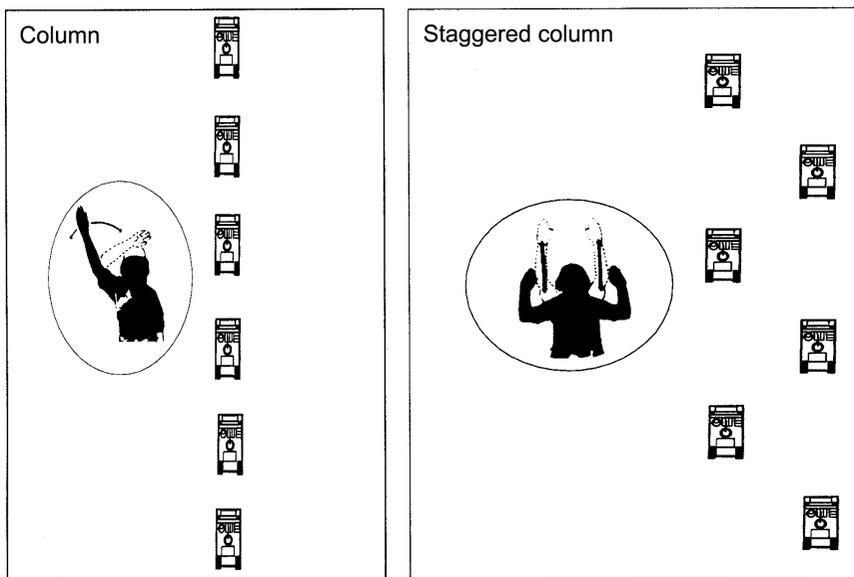


Figure 03-3-D0C14-3. Column or Staggered-Column Formation

d. Line (see Figure 03-3-D0C14-4).

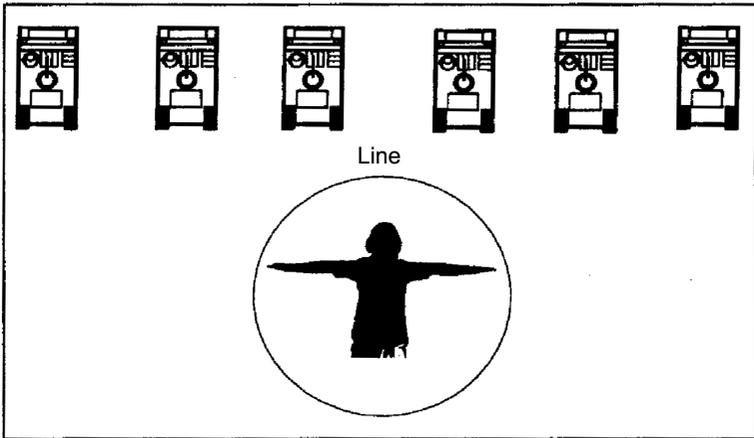


Figure 03-3-D0C14-4. Line Formation

e. Vee or split vee (see Figure 03-3-D0C14-5).

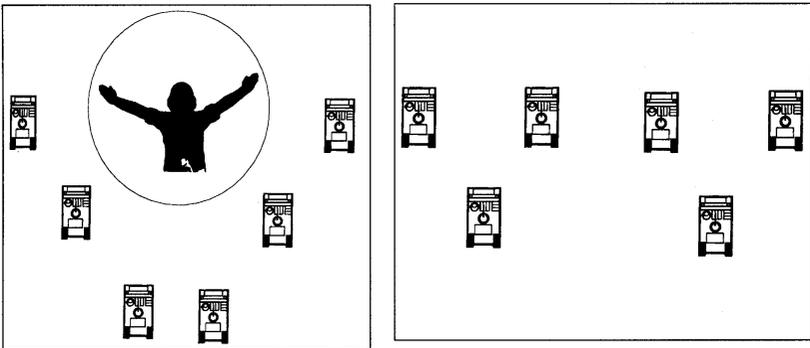


Figure 03-3-D0C14-5. Vee or Split Vee Formation

COACHING POINT: Every member of the squad/platoon must know what movement technique to use according to the enemy situation. The squad/platoon must gather as much information on the enemy situation as possible. Proper battle tracking and updated graphics/overlays will keep the squad/platoon up to date on the enemy situation.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-219-D60-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-10-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-30-MTP	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-477-10-MTP	07-3-C211.03-1001	Move Tactically

2-4. Battle Drill 03-3-D0C17.

TASK: Execute Action Right/Left (03-3-D0C17)

CONDITIONS (CUE): The squad/platoon is moving from one location to another to support combat operations. Based on the enemy situation during travel, the squad leader gives the appropriate signal (using a radio or arm-and-hand signals) to alert the drivers to change from one formation to another. (The squad/platoon leader gives the order or signal to execute an action right or an action left.)

STANDARDS: The squad/platoon changes into the designated formation as directed by the squad leader.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-326-0503	Move Over, Through, or Around Obstacles (Except Minefields)
	113-571-1022	Perform Voice Communications
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-326-5630	Conduct Movement Techniques by a Platoon
	071-331-0820	Analyze Terrain
	071-430-0002	Conduct a Defense by a Squad
	441-091-1040	Visually Identify Threat Aircraft
STP 3-54B1-SM	071-326-0608	Use Visual Signalling Techniques
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	031-508-3073	Employ the M157 Smoke Generator System
	071-326-5610	Conduct Movement Techniques by a Squad
	071-326-5630	Conduct Movement Techniques by a Platoon
	071-410-0019	Control Organic Fires
STP 3-CST (ST)	031-508-3073	Employ the M157 Smoke Generator System
	071-326-0608	Use Visual Signalling Techniques
	071-326-5610	Conduct Movement Techniques by a Squad
	071-326-5630	Conduct Movement Techniques by a Platoon
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	071-410-0019	Control Organic Fires

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:**

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move cross-country.
 - b. Sufficient natural vegetation and relief to permit movement by concealed routes.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to execute action right or action left as directed. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, it may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize its strengths and weaknesses.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon leader signals or orders action right or action left. See Figures 03-3-D0C17-1, 03-3-D0C17-2, and 03-3-D0C17-3, and Figures 03-3-D0C17-4, 03-3-D0C17-5, 03-3-D0C17-6, 03-3-D0C17-7, and 03-3-D0C17-8, pages 2-18 through 2-20.

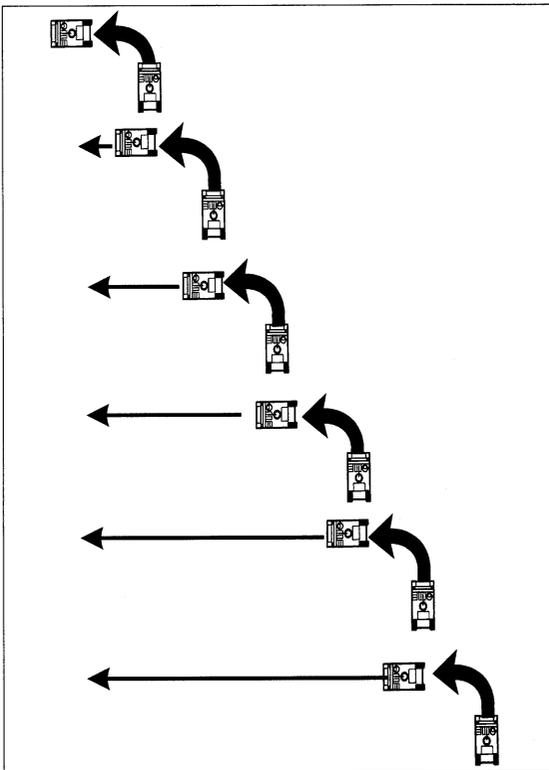


Figure 03-3-D0C17-1. Action Left From an Echelon Right Formation

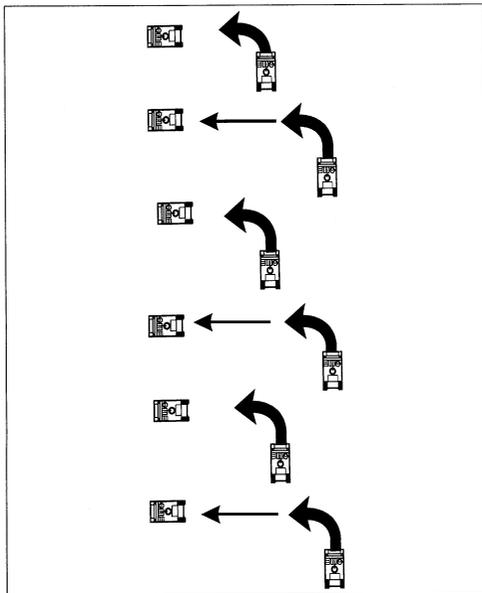


Figure 03-3-D0C17-2. Action Left From a Staggered Column Formation

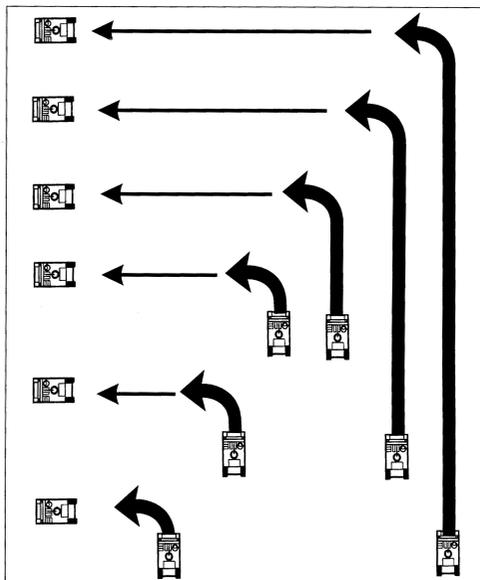


Figure 03-3-D0C17-3. Action Left From a Wedge Formation

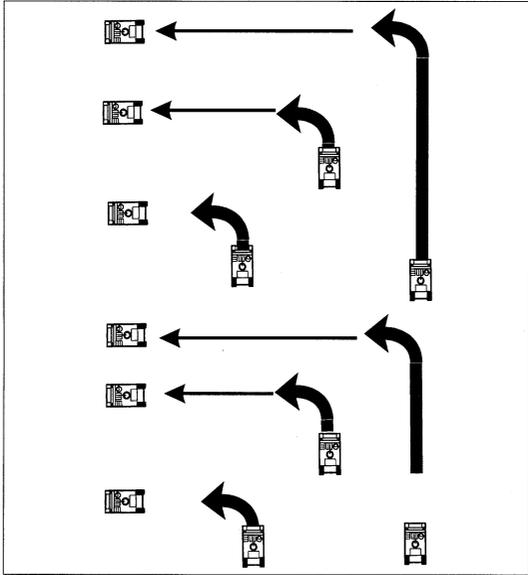


Figure 03-3-D0C17-4. Action Left From a Column Wedge Formation

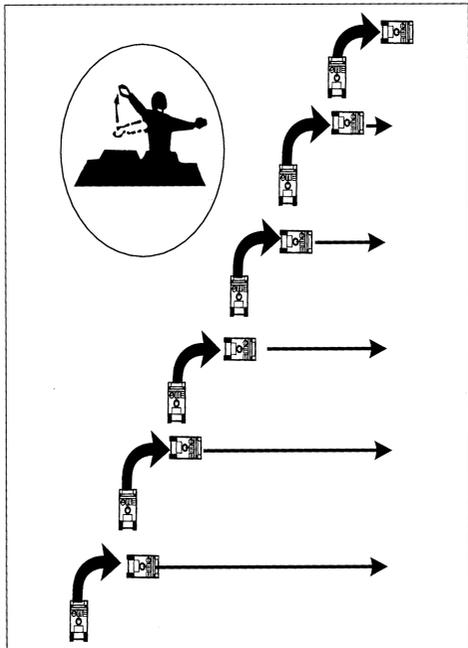


Figure 03-3-D0C17-5. Action Right From an Echelon Left Formation

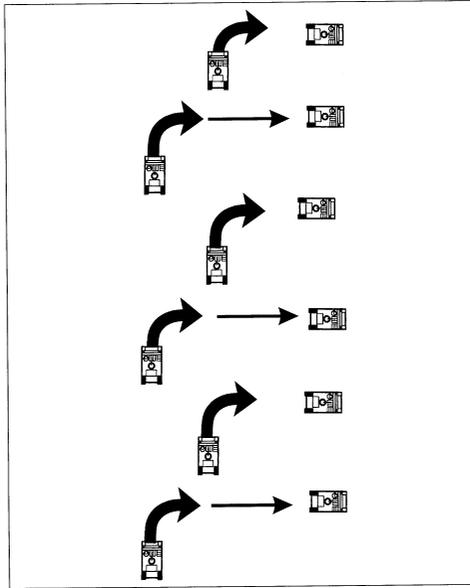


Figure 03-3-D0C17-6. Action Right From a Staggered Column Formation

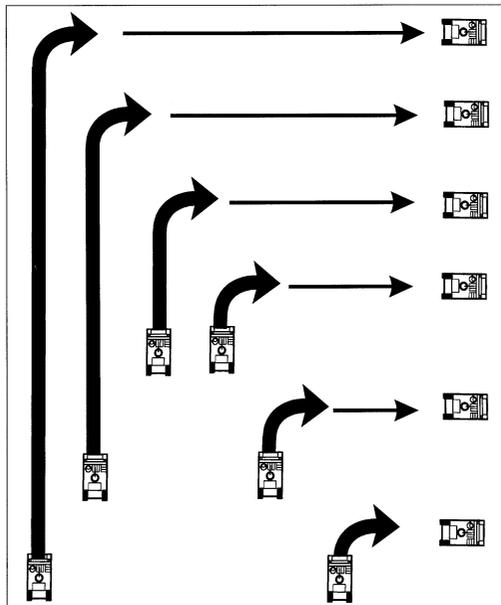


Figure 03-3-D0C17-7. Action Right From a Wedge Formation

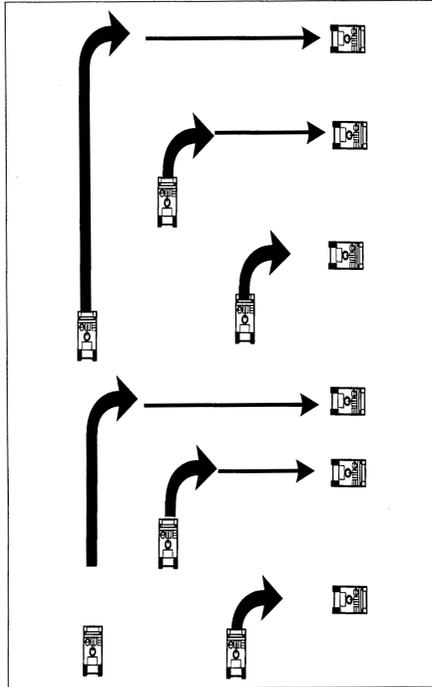


Figure 03-3-D0C17-8. Action Right From a Column Wedge Formation

2. The squad/platoon leader indicates the required formation by using standard arm-and-hand, flag, or other signals or by issuing a command over the radio system.
3. Vehicle commanders relay the appropriate signal to each vehicle operator and—
 - a. Direct drivers into position in the new formation.
 - b. Orient the machine guns toward likely enemy positions or assigned sectors of fire.
4. The unit executes the formation as directed and continues its mission.

COACHING POINT:

1. The most common types of visual signals are: arm-and-hand, flag, pyrotechnic, and ground-to-air. However, soldiers are not limited to these types of signals and may use what is available.
2. Chemical light sticks, flashlights, and other items can be used provided their use is standardized within a unit and understood by the soldiers and units working in the area.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1046	React to Contact
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-219-D60-MTP	03-3-1046	React to Contact
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-10-MTP	03-3-1046	React to Contact
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-30-MTP	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-477-10-MTP	07-3-C211.03-1001	Move Tactically

2-5. Battle Drill 03-3-D0C18.

TASK: Secure at Halt (03-3-D0C18)

CONDITIONS (CUE): The squad/platoon is moving from one location to another to conduct reconnaissance operations. The unit must be prepared to defend itself against ambush or surprise enemy contact during the movement or when halted. (The squad/platoon leader gives the appropriate signal [using arm-and-hand or flag signals or a radio command] to alert the unit to halt.)

STANDARDS: Vehicle commanders move their vehicles to their designated positions in the formation, using available cover and concealment.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-326-0513	Select Temporary Fighting Positions
	071-331-0815	Practice Noise, Light, and Litter Discipline
	113-571-1022	Perform Voice Communications
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
	071-326-0515	Select a Movement Route Using a Map
	071-326-0608	Use Visual Signalling Techniques
	071-326-5630	Conduct Movement Techniques by a Platoon
	071-326-5705	Establish an Observation Post
	071-331-0820	Analyze Terrain
STP 3-54B1-SM	071-326-0515	Select a Movement Route Using a Map
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad
	071-326-5630	Conduct Movement Techniques by a Platoon
	171-123-4000	Plan the Occupation of an Assembly Area
STP 3-CST (ST)	071-326-0515	Select a Movement Route Using a Map
	071-326-5610	Conduct Movement Techniques by a Squad
	071-326-5630	Conduct Movement Techniques by a Platoon
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	171-123-4000	Plan the Occupation of an Assembly Area

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move cross-country.
 - b. Sufficient natural vegetation and relief to permit movement by concealed routes.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide security while the unit is in the halt position. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. Ensure that—
 - a. Drivers are briefed to employ safe cross-country procedures.
 - b. Terrain- and weather-related hazards associated with the cross-country movement are identified.
3. Demonstration (optional).
4. Explanation.
 - a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.
 - b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
 - c. Answer all questions about the battle drill.
 - d. Have the platoon sergeant, squad leaders, and drivers explain their part in the battle drill.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon leader gives the appropriate signal or command to use the herringbone or coil formation during the halted situation. See Figures 03-3-D0C18-1, 03-3-D0C18-2, 03-3-D0C18-3 and 03-3-D0C18-4, pages 2-24 and 2-25.

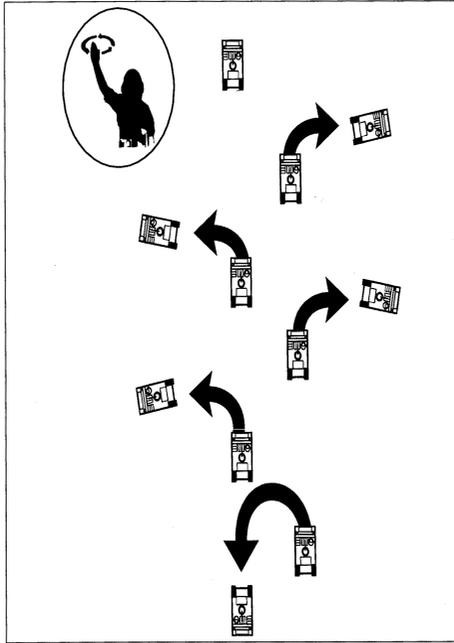


Figure 03-3-D0C18-1. Coil Formation From a Staggered Column Formation

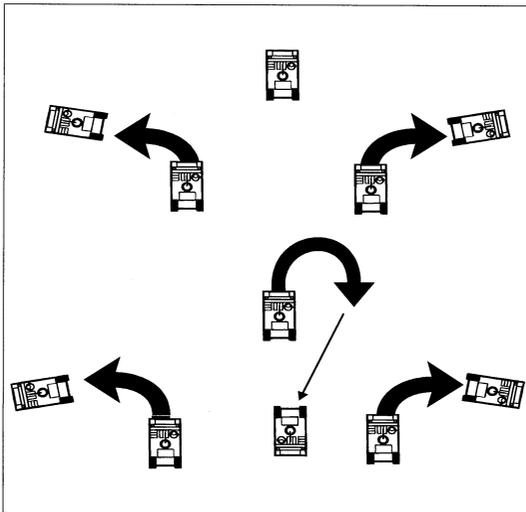


Figure 03-3-D0C18-2. Coil Formation From a Column of Wedges Formation

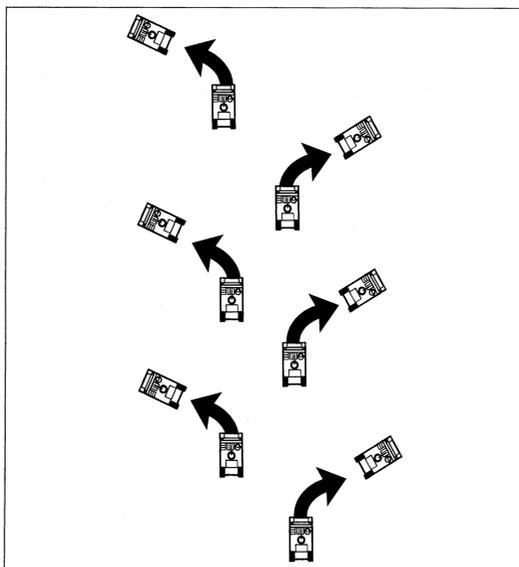


Figure 03-3-D0C18-3. Herringbone Formation From a Staggered Column Formation

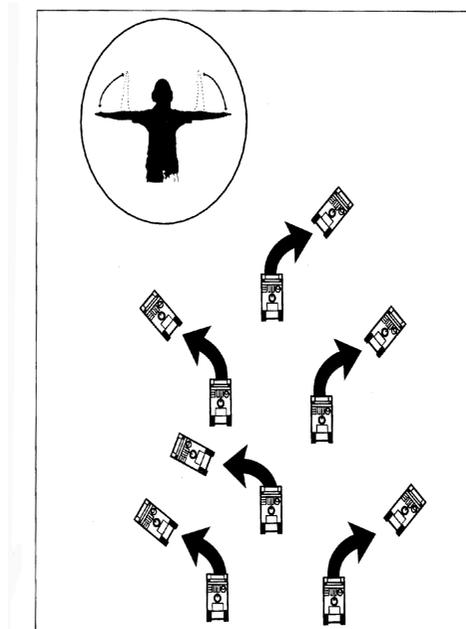


Figure 03-3-D0C18-4. Herringbone Formation From a Column of Wedges Formation

2. The squad/platoon halts in the herringbone or coil formation as directed. Each vehicle commander—
 - a. Ensures that his vehicle is correctly positioned, using cover and concealment.
 - b. Orders each vehicle operator to dismount (right or left).
 - c. Orders the distance to move to a covered/concealed position.
3. Vehicle operators dismount and assume hasty fighting positions to provide local security.
4. Vehicle commanders and dismounted vehicle operators observe their designated sectors of fire.

COACHING POINT:

1. The squad/platoon leader gives the arm-and-hand or flag signal or a command over the radio for the herringbone or coil formation. The squad/platoon halts.
2. Each vehicle commander ensures that his vehicle is correctly positioned, using cover and concealment.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-219-D60-MTP	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-10-MTP	03-3-1003	Conduct Smoke Operations
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-30-MTP	03-3-1003	Conduct Smoke Operations
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-477-10-MTP	07-3-C211.03-1001	Move Tactically

2-6. Battle Drill 03-3-D00B3.

TASK: React to Enemy Air Attack (03-3-D00B3)

CONDITIONS (CUE): The squad/platoon is moving in a convoy during a tactical road march, and the possibility of enemy air attack is known. The squad/platoon observes or is attacked by enemy aircraft. (The unit receives hostile fire from attacking aircraft or observes enemy aircraft.)

STANDARDS: The squad/platoon reacts immediately, minimizing casualties and damage. The squad/platoon is able to continue its mission after the contact.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-326-0510	React to Indirect Fire While Dis-mounted
	071-326-0513	Select Temporary Fighting Positions
	551-721-1359	Drive Vehicle in a Convoy
	551-721-1408	Implement Defensive Procedures When Under Enemy Attack or Ambush in a Truck Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-430-0002	Conduct a Defense by a Squad
	071-430-0006	Conduct a Defense by a Platoon
	081-831-0101	Request Medical Evacuation
	121-030-3534	Report Casualties
	441-091-1040	Visually Identify Threat Aircraft
	551-721-3352	Direct Convoy Defense Operations
STP 3-54B1-SM	081-831-0101	Request Medical Evacuation
STP 3-54B34-SM-TG	071-410-0019	Control Organic Fires
STP 3-CST (ST)	071-410-0019	Control Organic Fires
	081-831-0101	Request Medical Evacuation

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move either cross-country or on existing road networks.
 - b. Enough natural vegetation and terrain relief to allow the squad to select a route that makes use of available cover and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to react immediately to the enemy air attack, making sure not to “bunch up” on the road. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. Ensure that—
 - a. Drivers are briefed to employ safe cross-country driving procedures.
 - b. Terrain- and weather-related hazards associated with cross-country movement are identified.
 - c. Threat aircraft is visually identified before returning fire.
3. Demonstration (optional).
4. Explanation.
 - a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.
 - b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
 - c. Answer all questions about the battle drill.
 - d. Have the platoon sergeant, squad leaders, and drivers explain their part in the battle drill.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The unit reacts to an enemy air attack while moving.
 - a. Air guards warn vehicle commanders of the attacking aircraft.
 - b. Vehicle operators move their vehicles to the shoulders of the road in a herringbone formation and stop.
 - c. Vehicle operators maintain a 150-meter interval (terrain permitting) between vehicles and do not “bunch up.”
 - d. Soldiers dismount rapidly, disperse, and take up firing positions.
 - e. Soldiers immediately return fire if attacked by aircraft or on command (either vocal or visual).
 - f. All soldiers reload following the engagement.
 - g. After the air attack has ended, vehicles are reassembled, casualties are treated and evacuated, damages are assessed, and a situation report (SITREP) is sent to the operational headquarters (HQ).
2. The unit reacts to an enemy air attack while stationary or set up.
 - a. The air attack alarm is passed.
 - b. All available soldiers immediately engage the attacking aircraft.
 - c. All soldiers reload following the engagement.
 - d. After the air attack has ended, vehicles are reassembled, casualties are treated and evacuated, damages are assessed, and a SITREP is sent to the operational HQ.
 - e. The squad/platoon moves/displaces as appropriate.

COACHING POINT: Every member of the squad/platoon must know to maintain the proper interval (terrain permitting) between vehicles and not “bunch up.”

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	44-1-C221.03-1018	Take Active Combined-Arms Air Defense Measures Against Hostile Aerial Platforms
ARTEP 3-219-D60-MTP	44-1-C221.03-1018	Take Active Combined-Arms Air Defense Measures Against Hostile Aerial Platforms
ARTEP 3-457-10-MTP	44-1-C221.03-1018	Take Active Combined-Arms Air Defense Measures Against Hostile Aerial Platforms
ARTEP 3-477-10-MTP	44-1-C221.03-1018	Take Active Combined-Arms Air Defense Measures Against Hostile Aerial Platforms

2-7. Battle Drill 03-3-D00B1.

TASK: React to Indirect Fire (03-3-D00B1)

CONDITIONS (CUE): The squad/platoon is conducting a reconnaissance mission. (Unit members hear or see rounds impacting on their location or any member of the squad/platoon alerts, “Incoming [artillery].”)

STANDARDS: If moving mounted, drivers immediately move their vehicles out of the impact area in the direction and for the distance ordered by the platoon leader. If moving with dismounted personnel, drivers pick up dismounted personnel, then immediately move their vehicles out of the impact area. If in positions, drivers move their vehicles to alternate positions, and dismounted personnel seek protection of overhead cover in their fighting positions.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0510	React to Indirect Fire While Dismounted
	071-326-0513	Select Temporary Fighting Positions

	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1359	Drive Vehicle in a Convoy
STP 21-24-SMCT	071-326-0515	Select a Movement Route Using a Map
	071-326-0608	Use Visual Signalling Techniques
	071-326-5705	Establish an Observation Post
	071-331-0820	Analyze Terrain
	071-430-0002	Conduct a Defense by a Squad
	081-831-0101	Request Medical Evacuation
	121-030-3534	Report Casualties
STP 3-54B1-SM	061-283-1002	Locate a Target by Grid Coordinates
	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0515	Select a Movement Route Using a Map
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5502	Issue a Fragmentary Order
	081-831-0101	Request Medical Evacuation
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad
STP 3-CST (ST)	061-283-1002	Locate a Target by Grid Coordinates
	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0515	Select a Movement Route Using a Map
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5502	Issue a Fragmentary Order
	071-326-5610	Conduct Movement Techniques by a Squad
	081-831-0101	Request Medical Evacuation

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move either cross-country or on existing road networks.
 - b. Enough natural vegetation and terrain relief to allow the squad/platoon to select a route that makes use of available cover and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to rapidly move the squad/platoon out of the impact area. The squad/platoon's ability to react rapidly is critical to its success on the battlefield.
2. Safety/Fratricide. Ensure that—
 - a. Drivers are briefed to employ safe cross-country driving procedures.
 - b. Terrain- and weather-related hazards associated with the cross-country movement are identified.
3. Demonstration (optional).
4. Explanation.
 - a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.
 - b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
 - c. Answer all questions about the battle drill.
 - d. Have the platoon sergeant, squad leaders, and drivers explain their part in the battle drill.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of the drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon reacts to indirect fire while moving mounted.
 - a. Any member of the platoon alerts, "Incoming!"

NOTE: The nearby impact of indirect fires also starts this task.

- b. The leader gives the direction and distance to move; for example, "3 o'clock, 300 meters, follow me."

- c. Drivers move rapidly out of the impact area in the direction ordered by the leader.

- d. Track commanders repeat the alert, "Incoming," over the intercom.

- e. The leader gives the direction and distance to move; for example, "3 o'clock, 200 meters, follow me."

- f. Personnel close all hatches.

- g. Drivers move rapidly out of the impact area in the direction ordered by the leader.

2. The squad/platoon reacts to indirect fire while moving dismounted with a carrier.

- a. Any member yells, "Incoming!"

- b. The carrier halts as closely as possible to the dismount team, and the team mounts.

- c. The carrier moves rapidly out of the impact area in the direction ordered by the squad leader.

- d. Personnel close all hatches, if applicable.

3. The squad/platoon is occupying an assembly area (AA) or conducting a reconnaissance mission.

4. The squad/platoon reacts to indirect fire while in a defensive position.

- a. Soldiers seek protection under the overhead cover of their fighting positions or the best cover available, such as under vehicles.

- b. Any member yells, "Incoming!"

- c. The squad/platoon executes a hasty displacement, if appropriate, to a predesignated rally point.

- d. The carriers immediately move out of the impact area to alternate positions.

- e. Dismounted platoon members seek protection under the overhead cover of their fighting positions.

5. Squad/platoon members move to designated rally points, if necessary.

- 6. The squad/platoon establishes immediate security at the designated rally point.
 - a. Leaders account for personnel and equipment.
 - b. Squad leaders report to the platoon leader.
 - c. The leader submits a situation report (SITREP).
- 7. The squad/platoon leader requests operational decontamination, if applicable.

COACHING POINT: Every squad/platoon member must know the direction and distance to move. The direction and distance may be covered in the unit's standing operating procedure (SOP).

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1045	React to Indirect Fire
	03-3-1046	React to Contact
	07-3-C212.03-1002	Defend the Unit's Position
	07-3-C228.03-1005	Occupy an Assembly Area (AA)
ARTEP 3-219-D60-MTP	03-3-1045	React to Indirect Fire
	03-3-1046	React to Contact
	07-3-C212.03-1002	Defend the Unit's Position
	07-3-C228.03-1005	Occupy an Assembly Area (AA)
ARTEP 3-457-10-MTP	03-3-1046	React to Contact
	07-3-C212.03-1002	Defend the Unit's Position
	07-3-C228.03-1005	Occupy an Assembly Area (AA)
ARTEP 3-477-10-MTP	07-3-C212.03-1002	Defend the Unit's Position
	07-3-C228.03-1005	Occupy an Assembly Area (AA)

2-8. Battle Drill 03-3-D0034.

TASK: React to Enemy Contact (03-3-D0034)

CONDITIONS (CUE): The squad/platoon is halted, moving, or set up. The enemy fires on the squad/platoon. (The unit receives hostile fire from an enemy force or observes an enemy force.)

STANDARDS: The unit returns fire immediately. The unit locates and engages the enemy with well-aimed fire.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-326-0510	React to Indirect Fire While Dis-mounted
	071-326-0513	Select Temporary Fighting Positions
	551-721-1408	Implement Defensive Procedures When Under Enemy Attack or Ambush in a Truck Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-430-0002	Conduct a Defense by a Squad
	441-091-1040	Visually Identify Threat Aircraft
	551-721-3352	Direct Convoy Defense Operations
STP 3-54B1-SM	071-326-0608	Use Visual Signalling Techniques
STP 3-54B34-SM-TG	071-410-0019	Control Organic Fires
STP 3-CST (ST)	071-326-0608	Use Visual Signalling Techniques
	071-410-0019	Control Organic Fires

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move cross-country.

b. Sufficient natural vegetation and relief to permit movement by concealed routes.

3. Unit Instruction. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to react to enemy contact. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the drill is completed, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. Vehicle operators immediately move their vehicles to the nearest covered positions (if moving).

2. Soldiers engage the enemy with all available weapons.
3. The squad/platoon leader determines if he has sufficient combat power to suppress and bypass or destroy the enemy.
 - a. If sufficient combat power is not available—
 - (1) The squad/platoon leader gives the order to break contact and orders a direction and distance (for example, “9 o'clock, 300 meters”) or a location to move to.
 - (2) Soldiers increase the rate of fire to suppress the enemy and—
 - (a) Use smoke grenades to obscure the unit's movement.
 - (b) Move to the designated rally point and establish local security.
 - b. If sufficient combat power is available, soldiers—
 - (1) Locate and engage known or suspected enemy positions with well-aimed fire.
 - (2) Make visual contact with their squad leader and indicate the location of enemy positions.
4. The squad/platoon leader reports the contact and their situation to higher headquarters.

COACHING POINT:

1. Have the soldiers react to indirect fire on the move and when in a fixed position during a simulated exercise.
2. Emphasize a good fighting position that should allow you to see and fire to the front when not receiving effective direct fire; however, if effective direct fire is received, the soldier can move behind frontal cover and fire to the oblique.
3. Choose a position that takes advantage of available cover and concealment.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1046	React to Contact
ARTEP 3-219-D60-MTP	03-3-1046	React to Contact
ARTEP 3-457-10-MTP	03-3-1046	React to Contact

2-9. Battle Drill 03-3-D0035.**TASK:** React to a Chemical Attack (03-3-D0035)**CONDITIONS (CUE):** The squad/platoon is moving, stationary, or set up. The unit is attacked with a chemical agent. (Any soldier gives an oral or visual signal for a chemical attack or a chemical alarm activates.)**STANDARDS:** All soldiers don their protective mask with hood within 15 seconds. Within 60 seconds, soldiers begin skin decontamination (if necessary). Soldiers assume mission-oriented protection posture (MOPP) 4 within 8 minutes. Soldiers initiate immediate decontamination within 15 minutes (if necessary).**SUPPORTING INDIVIDUAL TASKS:**

References	Task Number	Task Title
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
	071-326-0608	Use Visual Signalling Techniques
STP 3-54B1-SM	031-503-1019	React to Chemical or Biological Hazard/Attack
	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-503-3005	Submit NBC 1 Report
	031-504-1008	Operate the M8A1 Alarm System

	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-507-1002	Decontaminate Equipment Using Abc-M11 Decontamination Apparatus
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	071-326-0608	Use Visual Signalling Techniques
STP 3-CST (ST)	031-503-1019	React to Chemical or Biological Hazard/Attack
	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-503-3005	Submit NBC 1 Report
	031-504-1008	Operate the M8A1 Alarm System
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-507-1002	Decontaminate Equipment Using Abc-M11 Decontamination Apparatus
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	071-326-0608	Use Visual Signalling Techniques

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move cross-country.
 - b. Sufficient natural vegetation and relief to permit movement by concealed routes.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to react to a chemical attack. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, it may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the drill is demonstrated, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. Soldiers execute the task, React to a Chemical or Biological Hazard/Attack.
2. Soldiers initiate self- or buddy-aid, as necessary.
3. Soldiers use the M258A1/M291 decontamination kit for individual decontamination, as necessary.
4. The squad/platoon leader reports that the unit is under a chemical attack to higher headquarters.
5. The squad/platoon identifies the chemical agent using M8 chemical detector paper and the M256 detector kit.
6. Leaders determine if decontamination is required and request support, if necessary.
7. The squad/platoon uses the M11 decontaminating apparatus, portable (DAP), the M13 DAP, or the M100 Sorbent Decontamination System (SDS) to decontaminate the equipment.
8. If contamination is present, the squad/platoon marks the area before leaving.
9. The squad/platoon moves and displaces, as appropriate, or continues its mission.

COACHING POINT: Continue to practice how to execute the task, React to a Chemical or Biological Hazard/Attack, until the squad/platoon masters the drill.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-117-40-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack
ARTEP 3-117-D40-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack
ARTEP 3-207-10-MTP	03-3-C202	Prepare for a Chemical Attack

	03-3-C203	Respond to a Chemical Attack
ARTEP 3-219-D60-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack
ARTEP 3-457-10-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack
ARTEP 3-457-30-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack
ARTEP 3-477-10-MTP	03-3-C202	Prepare for a Chemical Attack
	03-3-C203	Respond to a Chemical Attack

2-10. Battle Drill 03-3-D0036.

TASK: React to an Ambush During a Tactical Convoy Movement (03-3-D0036)

CONDITIONS (CUE): The squad/platoon is moving in a convoy during a tactical road march and enemy contact is not expected. (The unit receives hostile ground fire or the command, “Contact front [right] [left] [rear],” is given.)

STANDARDS: The squad/platoon reacts immediately after the ambush, appropriate to the situation and its operation.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0510	React to Indirect Fire While Dismounted
	071-326-0513	Select Temporary Fighting Positions
	551-721-1359	Drive Vehicle in a Convoy
	551-721-1408	Implement Defensive Procedures When Under Enemy Attack or Ambush in a Truck Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-430-0002	Conduct a Defense by a Squad
	441-091-1040	Visually Identify Threat Aircraft
	551-721-3352	Direct Convoy Defense Operations

STP 3-54B1-SM	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	171-121-3009	Control Techniques Of Movement
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad
	071-410-0019	Control Organic Fires
STP 3-CST (ST)	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5610	Conduct Movement Techniques by a Squad
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	071-410-0019	Control Organic Fires
	171-121-3009	Control Techniques Of Movement
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move cross-country.

b. Sufficient natural vegetation and relief to permit movement by concealed routes.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to react to an ambush during a tactical convoy movement. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, it may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The soldiers in the vehicle nearest the ambush return fire at the enemy, and the squad leader nearest the ambush radios, "Contact front (left) (right) (rear)."

NOTE: A far ambush is more than 50 meters from the road, and a near ambush is less than 50 meters from the road.

2. If the roadway is clear, all vehicles proceed at a high rate of speed through the kill zone. The lead vehicle throws smoke grenades to obscure the kill zone. All soldiers fire at the enemy at a high rate of fire.

3. If the roadway is blocked, all soldiers in the kill zone dismount the vehicle and use it as cover.
4. Soldiers throw smoke and fragmentary grenades and return fire at the enemy.
5. Vehicles outside the kill zone stop, and the soldiers dismount, assume a firing position, and return fire at the enemy.
6. To break contact it may be necessary to assault the enemy position. Maneuver one squad, while providing fire support with the remainder of the platoon.
7. After assaulting the enemy's position, take the necessary actions to secure the area, search any enemy prisoners of war (EPWs) or dead, evacuate casualties, and assess vehicle and equipment damage.
8. The squad/platoon sends a situation report (SITREP) to the operational headquarters and continues the mission, if possible.

COACHING POINT: Practice without live ammunition until the squad/platoon can perform to the standards.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1045	React to Indirect Fire
	03-3-1046	React to Contact
	03-3-C209	React to Smoke Operations
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-219-D60-MTP	03-3-1045	React to Indirect Fire
	03-3-1046	React to Contact
	03-3-C209	React to Smoke Operations
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March

ARTEP 3-457-10-MTP	03-3-1046	React to Contact
	03-3-C209	React to Smoke Operations
	07-3-C211.03-1001	Move Tactically
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-457-30-MTP	03-3-C209	React to Smoke Operations
	07-3-C227.03-1004	Perform a Tactical Road March
ARTEP 3-477-10-MTP	03-3-C209	React to Smoke Operations
	07-3-C211.03-1001	Move Tactically

2-11. Battle Drill 03-3-D00B2.

TASK: React to Direct Fire/Antitank Guided Missile (ATGM) (03-3-D00B2)

CONDITIONS (CUE): The squad/platoon observes the signature of a weapon or detects rounds impacting against or nearby the vehicle. (The unit receives hostile fire.)

STANDARDS: Upon alert, the squad/platoon returns fire and breaks contact if at all possible. If contact cannot be broken, the unit returns fire at the known or suspected enemy positions and moves out of the area immediately. The squad/platoon requests fire support immediately. All drivers take evasive action immediately while moving out of the target area.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0510	React to Indirect Fire While Dis-mounted
	071-326-0513	Select Temporary Fighting Positions
	551-721-1359	Drive Vehicle in a Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-331-0820	Analyze Terrain
	071-430-0002	Conduct a Defense by a Squad

	441-091-1040	Visually Identify Threat Aircraft
STP 3-54B1-SM	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad
	071-410-0019	Control Organic Fires
STP 3-CST (ST)	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5610	Conduct Movement Techniques by a Squad
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	071-410-0019	Control Organic Fires
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move either cross-country or on existing road networks.

b. Enough natural vegetation and terrain relief to allow the squad/platoon to select a route that makes use of available cover and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to rapidly move the squad/platoon out of the enemy line of fire. The squad/platoon's ability to react is critical to its success on the battlefield.

2. Safety/Fratricide. Ensure that—

a. Drivers are briefed to employ safe cross-country driving procedures.

b. Terrain- and weather-related hazards associated with the cross-country movement are identified.

c. The threat is properly identified before returning fire.

3. Demonstration (optional).

4. Explanation.

a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.

b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.

c. Answer all questions about the battle drill.

d. Have the platoon sergeant, squad leaders, and drivers explain their part in the battle drill.

WALK-THROUGH INSTRUCTIONS: The squad/platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. Any squad/platoon member gives the warning, for example, "Missile, left front (right front)!"

2. The vehicle commander(s) receiving or observing fire alert other vehicle commanders by visual signals or radio.

3. The vehicle commander fires a smoke grenade launcher to conceal movement and obscure the enemy's vision.

4. Immediately on alert, all vehicle commanders fire in the direction of the enemy.

5. The squad/platoon moves out of the target area to a covered and concealed position.

- a. If the distance to cover is 50 meters or less, drivers move the vehicles in a straight line to the position as rapidly as possible.
 - b. If the distance to cover is more than 50 meters, drivers take evasive action by—
 - (1) Varying speed.
 - (2) Zigzagging right and left.
6. Vehicle commanders continue suppressive fire while drivers move out of the target area to covered and concealed positions.
7. The squad/platoon leader requests fire support and provides the following information:
- a. The observer's identification.
 - b. The target location.
 - c. The target description
 - d. The method of engagement.
 - e. The method of fire and control.
8. The unit reports contact using the spot report (SPOTREP) format to the next higher headquarters (HQ).

COACHING POINT: Every member of the squad/platoon must know if the distance to cover is less than or greater than 50 meters. All members must know what driving technique to use when driving toward cover. Establish platoon rally points.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1044	Collect and Report Enemy/Terrain Information
	03-3-1046	React to Contact
ARTEP 3-219-D60-MTP	03-3-1044	Collect and Report Enemy/Terrain Information
	03-3-1046	React to Contact
ARTEP 3-457-10-MTP	03-3-1046	React to Contact

2-12. Battle Drill 03-3-D00B7.

TASK: Break Contact (Squad/Platoon) (03-3-D00B7)

CONDITIONS (CUE): The squad/platoon is moving or stationary. (The unit receives hostile direct fire or observes a superior enemy force. The squad/platoon leader orders the unit to break contact.)

STANDARDS: The squad/platoon moves to where the enemy cannot observe or place effective firepower on it.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0510	React to Indirect Fire While Dis-mounted
	071-326-0513	Select Temporary Fighting Positions
	551-721-1359	Drive Vehicle in a Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-430-0002	Conduct a Defense by a Squad
	071-430-0003	Consolidate a Squad Following Enemy Contact While in the Defense
	071-430-0004	Reorganize a Squad Following Enemy Contact While in the Defense
	071-430-0007	Consolidate a Platoon Following Enemy Contact While in the Defense
	071-430-0008	Reorganize a Platoon Following Enemy Contact While in the Defense
	441-091-1040	Visually Identify Threat Aircraft
STP 3-54B1-SM	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads
STP 3-54B2-SM	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	071-326-5610	Conduct Movement Techniques by a Squad

	071-410-0019	Control Organic Fires
STP 3-CST (ST)	071-311-2130	Engage Targets With an M203 Grenade Launcher
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
	071-326-5610	Conduct Movement Techniques by a Squad
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
	071-410-0019	Control Organic Fires
	551-721-1360	Drive a Cargo Vehicle on Side Roads or Unimproved Roads

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:**

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move cross-country.

b. Sufficient natural vegetation and relief to permit movement by concealed routes.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide smoke support and defend the smoke site. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being

performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstrations, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon leader gives the order to break contact.
2. The squad/platoon leader designates which element will be the support element and which element will move to initiate the break contact.

NOTE: For a squad, the initial support element will usually be one smoke vehicle, and the initial moving element will be two smoke vehicles. For a platoon, each element will be a squad.

3. The squad/platoon leader orders a distance and direction (for example, “9 o'clock, 300 meters”) or a location (for example, “Rally point, hill 876”) to move to.
4. The support element increases the rate of fire to suppress the enemy.
5. The unit uses all available fires. Soldiers—
 - a. Use smoke generators to confuse the enemy and conceal movement.
 - b. Point primary weapons in the direction of the enemy.
6. The moving element moves without crossing the overwatch

element's field of fire and assumes an overwatch position. The unit uses smoke to mask its movement when the enemy has seen it.

7. Soldiers conduct fire and movement as necessary.
8. The unit repeats bounding procedures until all contact is broken or until the unit passes through a support-by-fire force or is in position to conduct the next mission.
9. In the absence of a leader's instructions, the squad/platoon moves to the last designated rally point.
10. The squad/platoon leader moves to the rally point, accounts for personnel, reorganizes, and reports to the supported unit or company commander as required.

COACHING POINT:

1. Focus on who will be the support element and who will be the moving element until the drill can be performed without instruction or guidance.
2. Practice squad/platoon direction, distance, and concealment procedures and the location of movement.
3. Repeat fire, movement, and bounding procedures until all soldiers in the squad/platoon can execute the drill without guidance or direction.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-207-10-MTP	03-3-1046	React to Contact
ARTEP 3-219-D60-MTP	03-3-1046	React to Contact
ARTEP 3-457-10-MTP	03-3-1046	React to Contact

CHAPTER 3

Drills

3-1. Description and Format for Crew Drills. A crew drill is a collective action that members of a crew of a weapon system or piece of equipment must perform to use the weapon or equipment successfully in combat or to preserve life. These drills are designed for execution by the crews of vehicles, decontamination apparatus, or various smoke systems found in a smoke/decontamination squad/platoon. These drills are slices of other drills or ARTEP tasks. Units that are able to accomplish these drills can execute their ARTEP tasks and their wartime mission with greater speed and accuracy. Each drill contains the following information:

a. Drill title. This is the name of the drill. It describes the required action.

b. Task. The task is essentially the same as the drill title. It describes or names the task (required action) performed by the unit.

c. Conditions. This describes the situation, condition, or environment under which the task is performed.

d. Standards. Standards identify the terminal objective of the drill. These are identifiable measures of how well the unit is to perform the task. These are actions that indicate how well the drill (task) is executed in terms of results or expected outcome. Standards are short, simple, clear, and observable or measurable for evaluation purposes.

e. Supporting individual tasks. This is a representative list of tasks used to support the completion of the drill.

f. Illustrations. As required.

g. Setup instructions.

(1) Resources. This consists of TOE assigned personnel and equipment; vehicles; NBC/smoke equipment; communication equipment; and ammunition. It covers all essential items needed to complete the drill (task).

(2) Maps with overlays.

(3) Training site. This describes the training area that the unit will require to successfully conduct the task.

(4) Unit instructions. As required.

h. Talk-through instructions.

(1) Orientation. This gives a short explanation of the mission and what the drill is intended to accomplish. The key factor for the success of the drill's completion is that the drill must be accomplished to standard with little or no subsequent decision-making process or

orders from the unit leaders. The orientation also gives a brief description of the conditions or situations under which the drill is executed.

(2) Safety/Fratricide. The unit must observe all safety measures and precautions outlined in the unit's safety SOP, to include troop safety, protection of equipment, and environmental restrictions while conducting drill training. The unit must also observe all safety directives covered in the appropriate TMs and FMs.

(3) Demonstrations (optional). If another unit (squad/platoon) has successfully performed the drill, that unit may be used to demonstrate the performance of the drill. Explain the critical actions being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this drill is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

i. Explanation information.

(1) Explain the objective of the drill in your own words.

(2) Unit leaders must be able to explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

(3) Unit leaders should make a sketch or diagram that explains the action required by each member in the squad/platoon.

(4) Unit leaders must be sure to clarify all unsolved issues and questions of the unit members pertaining to the drill. This is essential before performing the drill. Each member must thoroughly understand the tasks he is to perform during the execution of the drill.

(5) Unit leaders should have each member involved in the drill explain his part of the drill in detail before performing the drill. Unit leaders are to make on-the-spot corrections as required.

j. Walk-through instructions. (Use the same procedures as listed in the talk-through instructions.)

(1) This is a most critical portion of drill training. During this phase of training, unit leaders must move through the task very slowly to ensure that the unit is performing the drill and all of the task steps and performance measures to the standards. Unit leaders must observe the drill participants carefully and make on-the-spot corrections as required. As the unit demonstrates greater proficiency in performing the drill correctly at the slow pace, have them perform the drill at a faster pace; however, never sacrifice safety for speed.

(2) Initiating cue. The initiating cue is either the signal that unit leaders give or a trained response to an enemy action that causes the unit to perform the drill.

k. Task steps and performance measures. These are measurable or observable actions that the unit must perform to the standards to complete the drill successfully.

l. Coaching point. If needed, correct the soldier after he completes a performance measure. Soldiers complete performance measures in sequence and like-numbered performance measures simultaneously.

m. Run-through instructions. (Use the procedures as listed in the talk-through instructions.) The unit leader or trainer should practice the drill with the unit until the unit can perform the drill according to the established standards without the drill book. The initial run-through should be conducted slowly. Soldiers should change positions in order to learn all steps and standards in the drill.

n. Perform. When soldiers can perform the drill according to the established standards, unit leaders should evaluate the unit as a whole to determine the unit's proficiency in performing the drill.

o. Supported T&EOs. This is a representative list of collective tasks that support the drill.

3-2. Crew Drill 03-4-D0017.

TASK: Operate a Decontamination Solution #2 (DS2) Application and Contact Time/Interior Decontamination Station as Part of the Detailed Equipment Decontamination Line (03-4-D0017)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad leader that decontamination operations will commence at a designated time, and the rinse point team will signal the approach of a vehicle.)

STANDARDS: The decontamination squad applies DS2 over the entire exterior of vehicles/equipment and decontaminates the interior of the contaminated vehicles to remove the contamination until no contamination can be detected.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor

	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
STP 3-54B2-SM	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-506-3001	Plan Decontamination Operations
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-506-3001	Plan Decontamination Operations
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:****1. Resources.**

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections, as necessary.

WALK-THROUGH INSTRUCTIONS:

1. The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks.
2. Shipping crates are stacked on both sides of the vehicle so that soldiers can reach the top of the vehicle, or ladders are used if available.

TASK STEPS AND PERFORMANCE MEASURES:

1. The application station team applies DS2 to the contaminated vehicles (about 5 gallons per vehicle) using mops or the M13 decontamination apparatus, portable (DAP) and brushes.

NOTE: The DS2 application station requires four soldiers.

2. After the DS2 application, the team directs the vehicles to the holding area.

3. The interior decontamination team inspects the vehicles' interiors using M8 paper and an M256A1 ticket or the chemical agent monitor (CAM).

NOTE: The interior decontamination station requires three soldiers.

4. If contamination is detected, the team wipes all accessible surfaces and areas with a rag or sponge soaked in a 5% solution of high-test hypochlorite (HTH) or super tropical bleach (STB).

COACHING POINT: All squad/platoon members should identify and state the purpose of DS2 before its actual use.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-3. Crew Drill 03-3-D00C4.

TASK: Camouflage a Vehicle (03-3-D00C4)

CONDITIONS (CUE): The vehicle is stopped and stationary for several hours or is parked in a tactical position. (The vehicle commander gives the order to the crew to camouflage vehicles.)

STANDARDS: The vehicle is camouflaged within 25 minutes, and the camouflage is disassembled and stored within 25 minutes.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	551-721-1399	Camouflage a Vehicle

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for camouflaging operations.
 - b. Sufficient natural vegetation and relief to permit accessibility, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to rapidly camouflage the vehicle. The squad/platoon's ability to rapidly camouflage vehicles is critical to its success on the battlefield.
2. Safety/Fratricide. All soldiers must use three points of contact while on top of the vehicles. Ground guides will always be used to move the vehicles under the camouflage net.
3. Demonstration (optional).
4. Explanation.

- a. Use the performance measures as a guide and, in your own words, explain the actions of each squad.
- b. Illustrate with a sketch, a sand table, or a simple diagram in the dirt.
- c. Answer all questions about the crew drill.
- d. Have the platoon sergeant, squad leaders, and drivers explain their part in the drill.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The crew sets up the camouflage nets. Crew members—
 - a. Lay out the camouflage net.
 - b. Stake down the edge of the net.
 - c. Prepare the support system.
 - d. Lift the net at the designated opening and place the support poles.
 - e. Drive the vehicle under the net through the designated opening, using a ground guide, and place the rest of the support poles.
2. The crew tears down and stows the camouflage nets. Crew members—
 - a. Open the entrance and, using a ground guide, drive the vehicle out.
 - b. Lift the net at the entrance and remove the support poles.
 - c. Remove the stakes and stow the support system.
 - d. Fold and stow the nets.

COACHING POINT: Every member of the squad/platoon must know how to camouflage the vehicle. Teamwork is very important to accomplish this task to the standards. All soldiers must know how to properly sew the camouflage nets together and cover the vehicle to the standards.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-457-10-MTP	05-3-0210.03-1001	Camouflage Vehicles and Equipment
ARTEP 3-457-30-MTP	05-3-0210.03-1001	Camouflage Vehicles and Equipment
ARTEP 3-477-10-MTP	05-3-0210.03-1001	Camouflage Vehicles and Equipment

3-4. Crew Drill 03-3-D0003.

TASK: Erect a 3,000-Gallon Water Tank (Platoon or Squad) (03-3-D0003)

CONDITIONS (CUE):

1. Friendly. The unit has been given the mission of conducting a detailed equipment decontamination operation, and no natural water source is available to draw from at the site. Mission-oriented protection posture (MOPP) is used.
2. Enemy. Direct enemy contact is not considered likely. A persistent chemical agent has been used against friendly forces. (The squad leader directs a designated team to erect the 1,580- or 3,000-gallon water tank at a specific location.)

STANDARDS: The water tank is erected properly within 30 minutes.

SUPPORTING INDIVIDUAL TASKS: None.

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS: Conducting the Drill: You can best manage this crew drill with squad-size elements. Deploy the squad to an area that would be suitable for conducting a detailed chemical decontamination operation.

1. Resources. A four-member team minimum and a complete 1,580- or 3,000-gallon water tank are required.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow adequate freedom of movement and suitable for the erection of the tank.
 - b. The area should be as level as possible and free of sharp objects.
3. Opposing forces (OPFOR). None.

4. Unit instructions. The following trainer tips are provided:
 - a. All four team members working together assemble the water tank. Each member must be aware of his number and position around the tank.
 - b. Team members should be numbered: #1, #2, #3, and #4. Team member #1 will be the guide and will assume the 12 o'clock position with #2 at 3 o'clock, #3 at 6 o'clock, and #4 at 9 o'clock.
 - c. Each team member secures five wooden staves, a staff cap appropriate to his position (#1 and #3 have long caps; #2 and #4 have short caps), a wooden tent pin, and a 10-foot guy rope. Team members #1 and #2 have a disassembled aluminum support tube. These items are placed neatly near their positions.
 - d. The top cover, four 6-foot ropes, and at least one wooden mallet for driving the tent pins are placed near position #1.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to conduct a detailed equipment decontamination operation. In order to have the complete site set up by the specified time, the 1,580- or 3,000-gallon water tank must be correctly erected within 30 minutes.
2. Safety/Fratricide. Exercise appropriate safety considerations and have a nonparticipating individual observe the drill for potential unsafe situations or acts.
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Use a simple sketch, a diagram, or any other means to show the actions of each soldier and the standards that the squad must meet to perform this drill properly.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail and the standards they must meet to receive a GO before training the drill. Make on-the-spot corrections.

WALK-THROUGH INSTRUCTIONS: Conduct this drill using the crawl-walk-run principle.

1. The drill begins with the team receiving instructions on where to erect the water tank.
2. Conduct the walk-through slowly at first, emphasizing the performance standards.

TASK STEPS AND PERFORMANCE MEASURES:

NOTE: The team assembles at the designated site. The water tank and accessories are unloaded from the vehicle. Team members are numbered and oriented to their position.

1. The team emplaces the circular ground cloth. All team members—
 - a. Search the designated spot for sharp objects, such as rocks and sticks, that might puncture the tank.
 - b. Assist in unfolding and stretching the ground cloth over the spot.
2. The team emplaces the fabric water tank (see Figure 03-3-D0003-1, page 3-12). All team members—
 - a. Take hold of the tank and place it at the center of the ground cloth.
 - b. Assist in unfolding the tank.
3. The team emplaces wooden staves. Each team member—
 - a. Takes five wooden staves from his position.
 - b. Inserts the wooden staves by starting at the bottom of the tank and passing the staff through each of the five loops until it is fully inserted.
4. The team attaches aluminum support tubes.
 - a. Team members #1 and #2 take the two-piece aluminum support tubes and screw the pieces together.
 - b. All team members ensure that each tube is extended across to the opposite team member and connected at each end to a staff cap using straight pins and cotter pins.
5. The team attaches guy ropes. Each team member—
 - a. Takes a wooden tent pin and drives it into the ground about 5 feet from the base of the capped staff at his position.

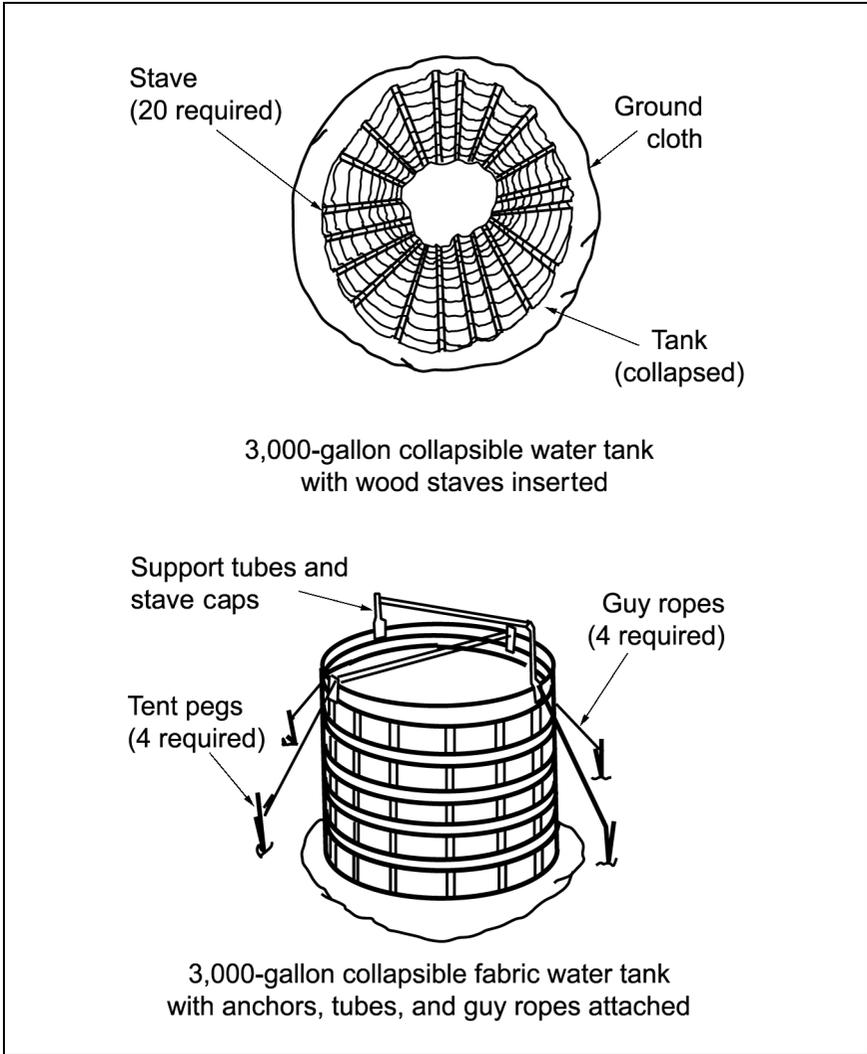


Figure 03-3-D0003-1. 1,580- or 3,000-Gallon Water Tank

b. Takes a 10-foot guy rope and ties one end to the eye of the stave cap and draws it tight, then secures the rope to the tent pin and draws it tight.

6. The team attaches the top cover.

a. All team members assemble near position #1 and unfold the 14-foot top cover.

b. Each member attaches a 6-foot rope through a corner grommet.

c. With the cover spread open, each member returns to his designated spot and ties the loose rope end to the tent pin at the rear of his position.

COACHING POINT:

1. Practice until all soldiers in the squad/platoon can clearly explain his duties, responsibilities, and equipment.
2. Practice until all soldiers in the squad/platoon know the procedures to use to erect the 1,580- or 3,000-gallon water tank.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations

	03-3-1011	Conduct Operational Aircraft Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-477-10-MTP	03-3-C224	Conduct Operational Decontamination

3-5. Crew Drill 03-3-D0004.

TASK: Disassemble a 3,000-Gallon Water Tank (Platoon or Squad) (03-3-D0004)

CONDITIONS (CUE):

1. Friendly. The unit has been given the mission of closing a detailed equipment decontamination operation. Mission-oriented protection posture (MOPP) 4 is used.
2. Enemy. Direct enemy contact is not considered likely. (The squad leader directs a designated team to disassemble the 1,580- or 3,000-gallon water tank.)

STANDARDS: The water tank is disassembled properly within 30 minutes.

SUPPORTING INDIVIDUAL TASKS: None.

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS: Conducting the Drill: You can best manage this crew drill with squad-size elements.

1. Resources. A minimum of a four-member team and an erected 1,580- or 3,000-gallon water tank are required.
2. Training Site. The training site should include an area large enough to allow adequate freedom of movement and suitable for disassembling the tank.
3. Opposing forces (OPFOR). None.
4. Unit instruction. The following trainer tips are provided:
 - a. All four team members working together disassemble the water tank. Each member must be aware of his number and position around the tank.

b. Team members should be numbered: #1, #2, #3, and #4. Team member #1 will be the guide and will assume the 12 o'clock position with #2 at 3 o'clock, #3 at 6 o'clock, and #4 at 9 o'clock.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to close a detailed equipment decontamination operation. Upon receiving orders to end the mission, the team must disassemble the tank within 30 minutes.

2. Safety/Fratricide. Exercise appropriate safety considerations and have a nonparticipating individual observe the drill for potential unsafe situations or acts.

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Use a simple sketch, a diagram, or any other means to show the actions of each soldier and the standards that the squad must meet to perform this drill properly.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

WALK-THROUGH INSTRUCTIONS: Conduct this drill using the crawl-walk-run principle.

1. The drill begins with the team receiving instructions to disassemble the water tank.

2. Conduct the walk-through slowly at first, emphasizing the performance standards.

TASK STEPS AND PERFORMANCE MEASURES:

NOTE: If possible, the same team members that erected the tank will disassemble it and will retain the same numbers and positions. Drain valves are opened, and the tank is drained before initiation of the drill.

1. The team dismantles the tank.
 - a. All members untie the top cover 6-foot guy ropes from the tent pins.
 - b. All members untie the top cover guy ropes from the corner grommets, while maintaining a hold on the top cover.
 - c. With the ropes removed, members #3 and #4 release their hold on the top cover and members #1 and #2 move backward from their positions, pulling the cover off the tank. They move the cover far enough to be out of the way of subsequent activities, then return to their positions.
 - d. Members #3 and #4 detach the support tubes from the stove caps at their positions by removing the pins. They replace the pins back into the stove eyelets after the support tubes are detached.
 - e. Members #1 and #2 pull the support tubes to them and unscrew the tubes into two sections, which they place on the ground out of the way.
 - f. All members release the 10-foot guy ropes attached to the tent pins, untie the ropes from the stove caps, and place the ropes and stove caps on the ground out of the way.
 - g. All members remove the wooden staves and place them on the ground out of the way.

NOTE: All 20 wooden staves have now been removed.

- i. Member #2 moves around to a position beside member #4, and both individuals move forward until they are able to grasp the top of the tank nearest position #2. They move backward, pulling the tank until they have turned the tank completely over. Members #1 and #3 assist, as required.

NOTE: The tank is turned over to drain any remaining water.

- j. Members #2 and #4 move to the opposite side of the tank and pull it back over to its original position.

2. The team members return to their positions and fold the tank.
 - a. First fold. Members #1 and #3 remain at their positions while holding onto the sides of the tank. Members #2 and #4 fold their sides toward the center, leaving a space of about 18 inches at the center between the two edges (see Figure 03-3-D0004-1).
 - b. Second fold. Members #2 and #4 move back while members #1 and #3 fold their sides toward the center at right angles to the first fold, leaving about 29 inches to separate the edges.
 - c. Third fold. Members #1 and #3 move back while members #2 and #4 again fold their sides toward the center, leaving about 1 1/2 inches between the edges.

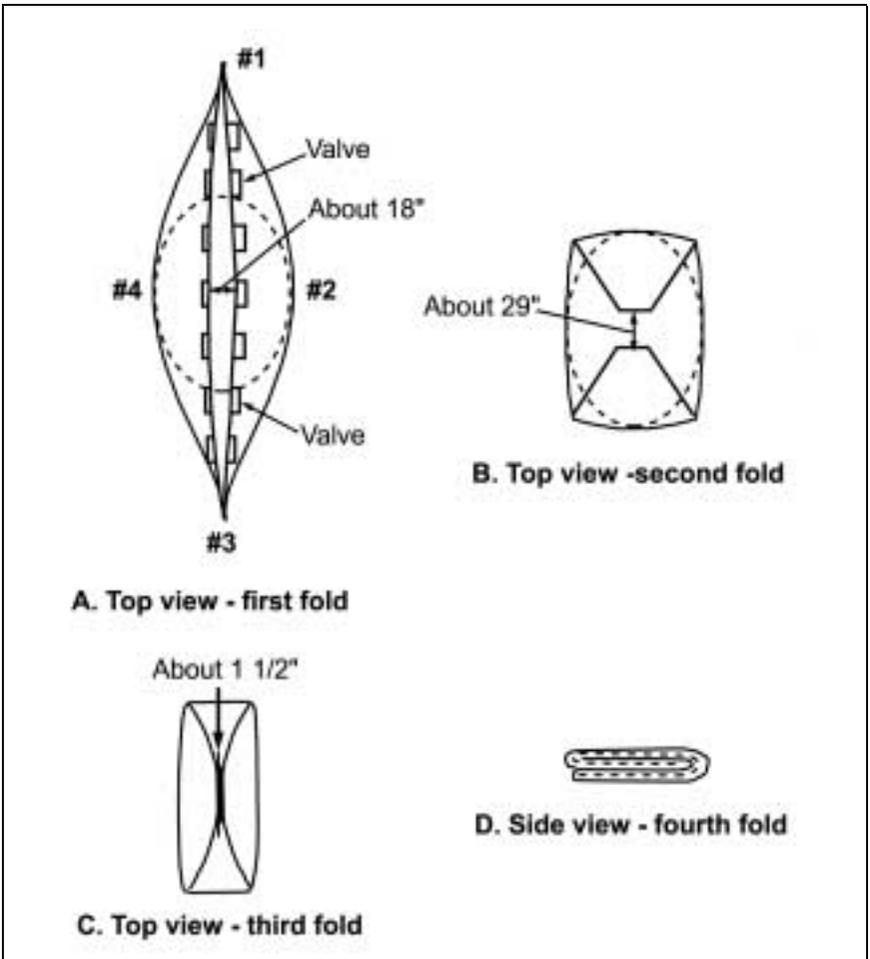


Figure 03-3-D0004-1. Disassembly of a 1,580- or 3,000-Gallon Water Tank

d. Fourth fold. Members #2 and #4 move back and grasp the corners of the tank nearest member #3, then the three members make a fold toward #1's edge at about one-third the length of the tank, then make a second fold the same way as the first.

3. The team folds the top cover.

a. Each member grasps a corner of the top cover, stretches it tight, and places it on the ground.

b. All members then move to their right until they are centered on a side of the top cover. They should be oriented in the original sequence of #1, #2, #3, and #4.

c. Members #2 and #4 move to the corners of the cover nearest member #3.

d. Members #2, #3, and #4 make a fold at about one-third the length of the cover, folding toward member #1. They bring the fold to member #1's edge, making the second fold.

e. All members reorient themselves to their positions. Members #1 and #3 move to the corners of the folded cover nearest member #4.

f. Members #1, #3, and #4 then make a fold at about one-third the length of the folded cover, folding it toward member #2. They then bring that folded edge to member #2's edge.

NOTE: The ground cloth should still be in its spread position.

4. The team folds the ground cloth.

a. All members grasp the folded top cover and place it in the center of the ground cloth.

b. All members grasp the folded tank and place it on the top cover.

c. Members return to their positions, then members #2 and #4 fold their sides of the ground cloth toward the center over the top of the tank and cover.

d. Members #1 and #3 fold their sides toward the center over the top of the tank cover.

e. Members #2 and #4 each obtain a 10-foot guy rope and tie the package together.

5. The team gathers and places the accessory equipment with the tank.

a. Member #1 gathers both two-piece aluminum support tubes and ensures that they are placed with the tank.

b. Member #2 gathers the 20 wooden staves and ensures that they are placed with the tank.

c. Member #3 gathers the tent pins and wooden mallet and ensures that they are placed with the tank.

d. Member #4 obtains all remaining guy ropes and ensures that they are placed with the tank.

NOTE: The 1,580- or 3,000-gallon collapsible fabric tank is now ready to be loaded according to the unit's load plan. Ensure that the tank is completely dry before storing it in garrison.

COACHING POINT:

1. Practice until all soldiers can clearly explain their duties, responsibilities, and equipment.

2. Practice until all soldiers can perform the procedures used to disassemble the 1,580- or 3,000-gallon water tank.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards, without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1011	Conduct Operational Aircraft Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-3-C224	Conduct Operational Decontamination
	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-477-10-MTP	03-3-C224	Conduct Operational Decontamination
	03-3-C224	Conduct Operational Decontamination

3-6. Crew Drill 03-4-D0011.

TASK: Set Up an Initial Wash Station as Part of the Detailed Equipment Decontamination Line (03-4-D0011)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader gives the order to the squad leader to set up the initial wash station.)

STANDARDS: Set up an initial wash station within 30 minutes after receiving the order to do so.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	113-571-1022	Perform Voice Communications
STP 21-24-SMCT	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
STP 3-54B1-SM	031-507-1018	Operate the 65-gpm Pump
	031-507-1020	Operate the M12A1 Decontaminating Apparatus
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT
STP 3-54B2-SM	031-506-2027	Select Detailed Equipment Decontamination Site
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-504-3001	Supervise Positioning Of the Chemical Agent Alarm
	031-506-3001	Plan Decontamination Operations
STP 3-CST (ST)	031-504-3001	Supervise Positioning Of the Chemical Agent Alarm
	031-506-2027	Select Detailed Equipment Decontamination Site

031-506-3001	Plan Decontamination Operations
031-507-1018	Operate the 65-gpm Pump
031-507-1020	Operate the M12A1 Decontaminating Apparatus
031-507-1041	Operate the M17 Lightweight Decontaminating System
031-507-2013	Supervise Detailed Equipment Decontamination
031-507-2038	Control Contaminated Waste
113-600-1012	Install Telephone Set TA-312/PT for Operation
113-600-2007	Operate Telephone Set TA-312/PT

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations.
 - b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and to provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully

performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. Soldiers position the initial wash station within the decontamination site (see Figure 03-4-D0011-1).

NOTE: The squad leader and the platoon leader agree on the site. The site is chosen for its accessibility, drainage, cover, and concealment.

2. Soldiers position one or more trailers with the M17 lightweight decontamination apparatus (LWDA) within 10 feet of the initial wash station.

3. Soldiers erect a 1,580- or 3,000-gallon fabric water tank.

4. Soldiers position the 5-ton truck with a tank and pump unit (TPU) to allow it to fill the fabric water tank.

NOTE: The water is not put into the fabric water tank until the platoon leader gives the order.

5. Soldiers place a 65- or 125-gallons-per-minute (gpm) pump by each fabric water tank to provide backup support to the M17 LWDA in case of failure.

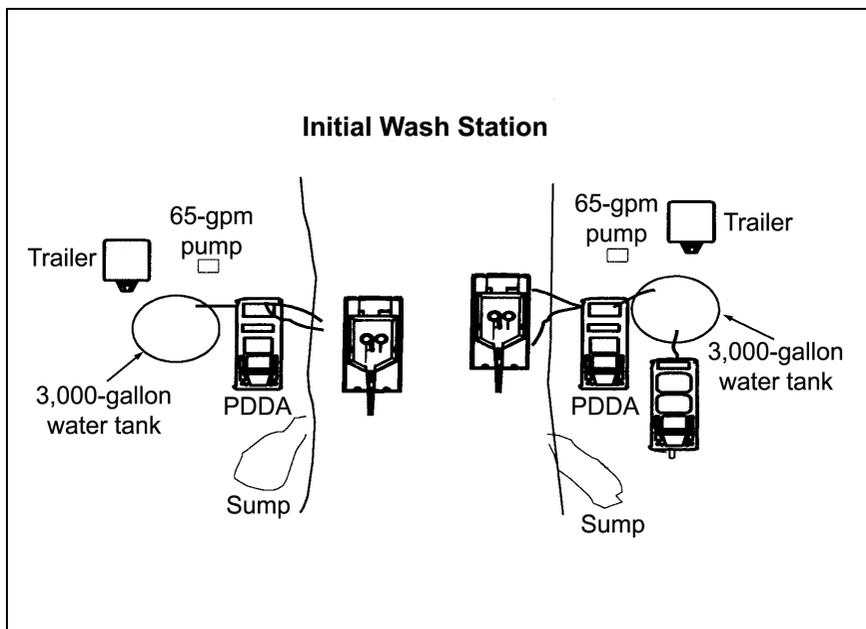


Figure 03-4-D0011-1. Initial Wash Station Setup

6. Soldiers camouflage all vehicles and equipment, if required.
7. Soldiers perform before-operation preventive-maintenance checks and services (PMCS) on all vehicles/equipment and immediately report all faults.

COACHING POINT:

1. Conduct a map reconnaissance and evaluate each site for the availability of an adequate water source, site drainage, and the presence or absence of contamination.
2. Conduct a ground reconnaissance and select the most suitable site.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-7. Crew Drill 03-4-D0014.

TASK: Set Up a Check Station as Part of a Detailed Equipment Decontamination Station Line (03-4-D0014)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader or the platoon sergeant gives the order to set up the check station.)

STANDARDS: Set up a check station within 15 minutes of receiving the order.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	113-571-1022	Perform Voice Communications
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)

STP 21-24-SMCT	031-504-3001	Supervise Positioning Of the Chemical Agent Alarm
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1008	Operate the M8A1 Alarm System
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT
	STP 3-54B2-SM	031-507-2013
031-507-2038		Control Contaminated Waste
STP 3-54B34-SM-TG	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1008	Operate the M8A1 Alarm System
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-504-3001	Supervise Positioning Of the Chemical Agent Alarm
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and to provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. Soldiers position the check station just across the hot line of the decontamination site (see Figure 03-4-D0014-1).

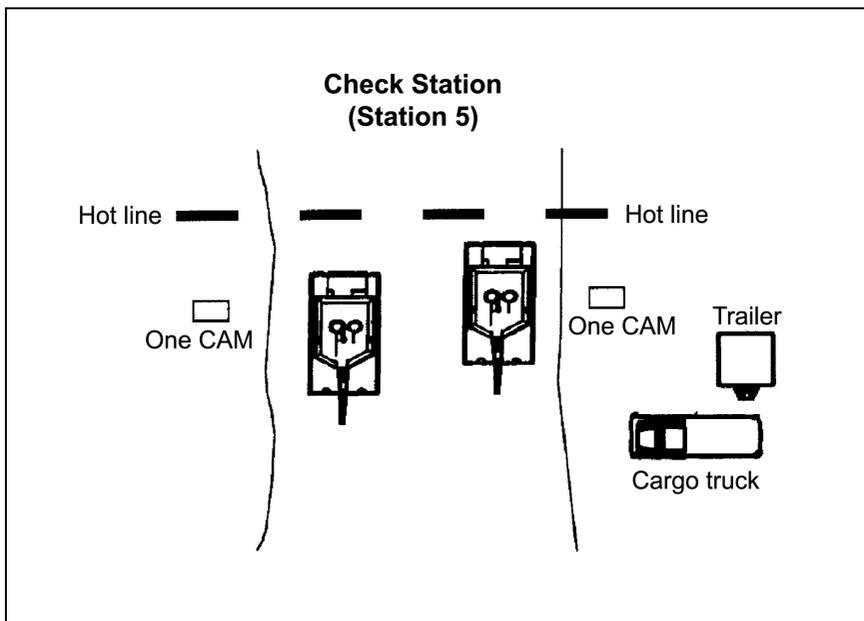


Figure 03-4-D0014-1. Check Station Setup

NOTE: The platoon leader and the squad leader agree on the site. The site is chosen for its accessibility, drainage, cover, and concealment.

2. The squad/platoon leader determines the recycle route for contaminated equipment.

NOTE: The route is selected to prevent the spread of contamination into the "clean" area.

3. The commander, in conjunction with the chemical unit leader, establishes the recycle criteria.

4. The following supplies are off-loaded at the contamination check station:

- a. Twenty packets of M8 detector paper.
 - b. Two chemical agent monitors (CAMs) with extra filters and batteries.
 - c. Ten M256A1 detector kits.
5. Soldiers perform before-operation preventive-maintenance checks and services (PMCS) on all vehicles/equipment and immediately report all faults.

COACHING POINT:

- 1. Select a check station site across the road from the decontamination site.
- 2. The squad leader and the platoon leader agree on site selection.
- 3. Unload recyclable materiel.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-8. Crew Drill 03-4-D0019.

TASK: Close the Initial Wash Station as Part of the Detailed Equipment Decontamination Line (03-4-D0019)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad leader that decontamination operations are completed, and close out procedures commence.)

STANDARDS: Stop operations, clean equipment, and reload all equipment and supplies.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1018	Operate the 65-gpm Pump
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	STP 3-54B2-SM	031-507-2013
031-507-2038		Control Contaminated Waste

STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1018	Operate the 65-gpm Pump
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:****1. Resources.**

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.**TALK-THROUGH INSTRUCTIONS:**

1. Orientation. The mission's objective is to close a decontamination site. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. **Safety/Fratricide.** The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. **Demonstration (optional).** If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. **Explanation.**
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. After the last vehicle has been processed, soldiers spray the 5-ton truck, the M17 lightweight decontamination apparatus (LWDA), the 65- or 125-gallons per minute (gpm) pumps, and the fabric tank with hot, soapy water.
2. The M17 LWDA operator then turns the M17 LWDA off and begins after-operation preventive-maintenance checks and services (PMCS).
3. Soldiers drain the water from the 1,580- or 3,000-gallon fabric water tank.
4. Soldiers quickly inspect all equipment for contamination, decontaminate it if necessary, then load it on the trucks.
5. Vehicle operators move their vehicles to the “clean” holding area on command from the platoon leader/sergeant.

COACHING POINT: Practice the procedure to inspect all equipment for contamination.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-9. Crew Drill 03-4-D0016.

TASK: Operate the Initial Wash Station as Part of the Detailed Equipment Decontamination Line (03-4-D0016)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad leader that decontamination operations will commence at a designated time, and the call-forward point signals the approach of a vehicle.)

STANDARDS: Remove the majority of mud, dirt, and gross contamination from the contaminated vehicles/equipment.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
STP 3-54B1-SM	031-507-1018	Operate the 65-gpm Pump
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
STP 3-54B2-SM	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-506-3001	Plan Decontamination Operations
STP 3-CST (ST)	031-506-3001	Plan Decontamination Operations
	031-507-1018	Operate the 65-gpm Pump
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The decontamination squad begins initial wash station operations.

NOTE: This station requires seven personnel: two M17 lightweight decontamination apparatus (LWDA) operators, four sprayers, and one

squad leader. Three sprayers act as applicers, and one sprayer acts as the ground guide.

2. The M17 LWDA operator begins to heat the water and adds 1 quart of detergent for every 450 gallons of water to make hot, soapy water.
3. Soldiers fill the 1,580- or 3,000-gallon fabric tank with water from the 5-ton tank and pump unit (TPU).
4. The vehicle operator then moves the 5-ton TPU to the water point and refills both pods.
5. Soldiers wash each contaminated vehicle with hot, soapy water (about 250 gallons per vehicle).
6. Soldiers use the 65- or 125-gallons per minute (gpm) pump as a backup system, if the M17 LWDA fails.

COACHING POINT: Have the squad/platoon repeat the procedures to operate the initial wash station until everyone can perform the decontamination process according to the standards.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations

	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-10. Crew Drill 03-4-D0012.

TASK: Set Up Decontamination Solution #2 (DS2) Application and Contact Time/Interior Decontamination Stations as Part of the Detailed Equipment Decontamination Line (03-4-D0012)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader gives the order to the squad leader to set up the DS2 application and contact time/interior decontamination stations.)

STANDARDS: Set up DS2 application and contact time/interior decontamination stations within 60 minutes after receiving the order.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	113-571-1022	Perform Voice Communications
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable

	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT
STP 3-54B2-SM	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-506-3001	Plan Decontamination Operations
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-506-3001	Plan Decontamination Operations
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

- b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad leader and the platoon leader select an area within the decontamination site for the DS2 application and contact time/interior decontamination stations. See Figures 03-4-D0012-1 and 03-4-D0012-2.

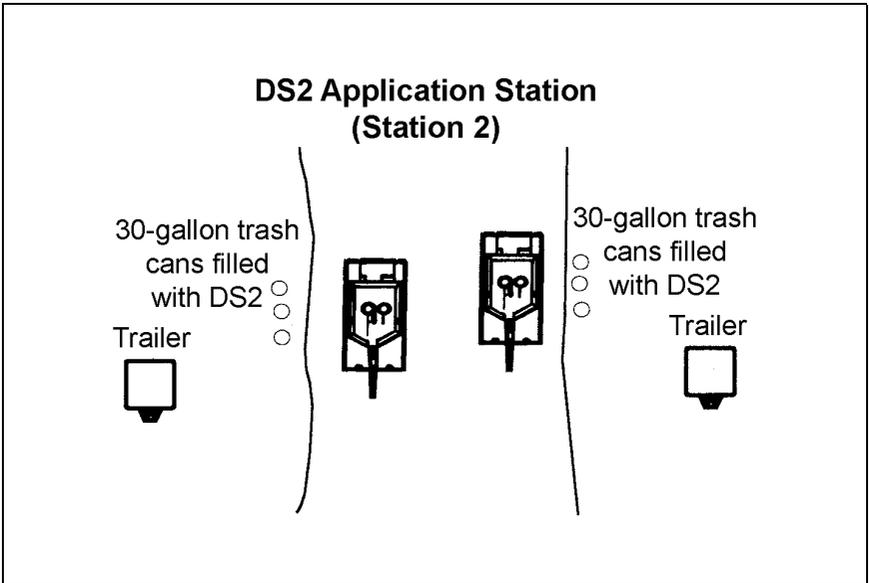


Figure 03-4-D0012-1. Setup of a DS2 Application Station

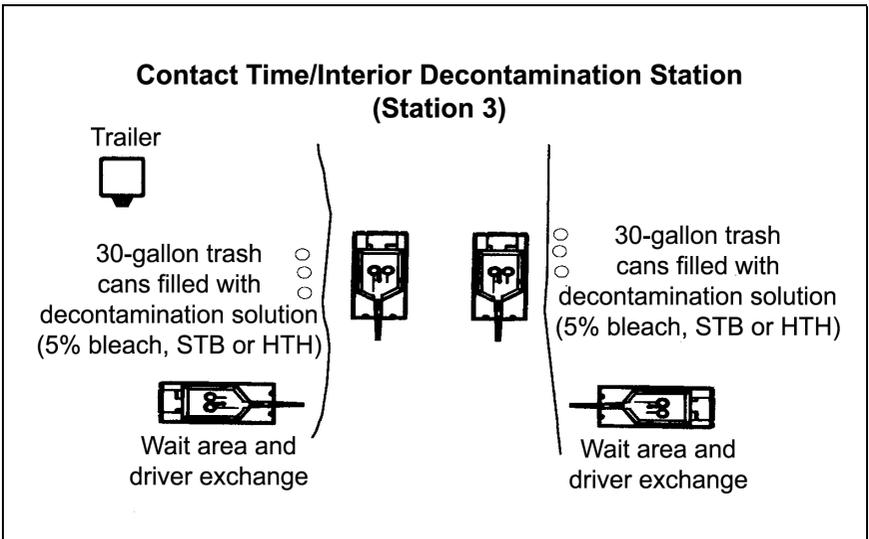


Figure 03-4-D0012-2. Setup of a Contact Time/Interior Decontamination Station

NOTE: The site is chosen for its accessibility, drainage, cover, and concealment.

2. Soldiers position the trailer near the DS2 application station and off-load the DS2 on both sides of the station, along with two mops and three 30-gallon trash cans if the M13 decontamination apparatus, portable (DAP) is not used.
3. Soldiers set up one immersion heater near the station and fill the trash cans with water.
4. Soldiers off-load additional supplies, if required.
5. Soldiers perform before-operation preventive-maintenance checks and services (PMCS) on all vehicles/equipment and immediately report all faults.

COACHING POINT: This is one of the most strenuous stations. Mops (the least tiring method of applying DS2) may be used to apply the DS2.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-11. Crew Drill 03-4-D0013.

TASK: Set Up a Rinse Station as Part of a Detailed Equipment Decontamination Line (03-4-D0013)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader gives the order to the squad leader to set up the rinse station.)

STANDARDS: Set up a rinse station within 60 minutes after receiving the order.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	113-571-1022	Perform Voice Communications
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	091-309-0710	Supervise Preventive Maintenance Checks and Services
STP 3-54B1-SM	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT
STP 3-54B2-SM	031-506-2027	Select Detailed Equipment Decontamination Site
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	031-506-3001	Plan Decontamination Operations

STP 3-CST (ST)	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	031-506-2027	Select Detailed Equipment Decontamination Site
	031-506-3001	Plan Decontamination Operations
	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
	113-600-1012	Install Telephone Set TA-312/PT for Operation
	113-600-2007	Operate Telephone Set TA-312/PT

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to conduct thorough decontamination operations. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad leader and the platoon leader select an area within the decontamination site for the rinse station. See Figure 03-4-D0013-1, page 3-44.

NOTE: The site is chosen for its accessibility, drainage, cover, and concealment.

2. Soldiers position the trailer with the M17 lightweight decontamination apparatus (LWDA) within 10 feet of the rinse station.

3. Soldiers erect the 1,580- or 3,000-gallon fabric water tank.

4. Soldiers position the 5-ton truck with the tank and pump unit (TPU) to fill the fabric water tank. After the tank is filled, the crew departs the site to resupply the TPU pods with more water.

NOTE: Water is not put into the fabric water tank until the platoon leader gives the order.

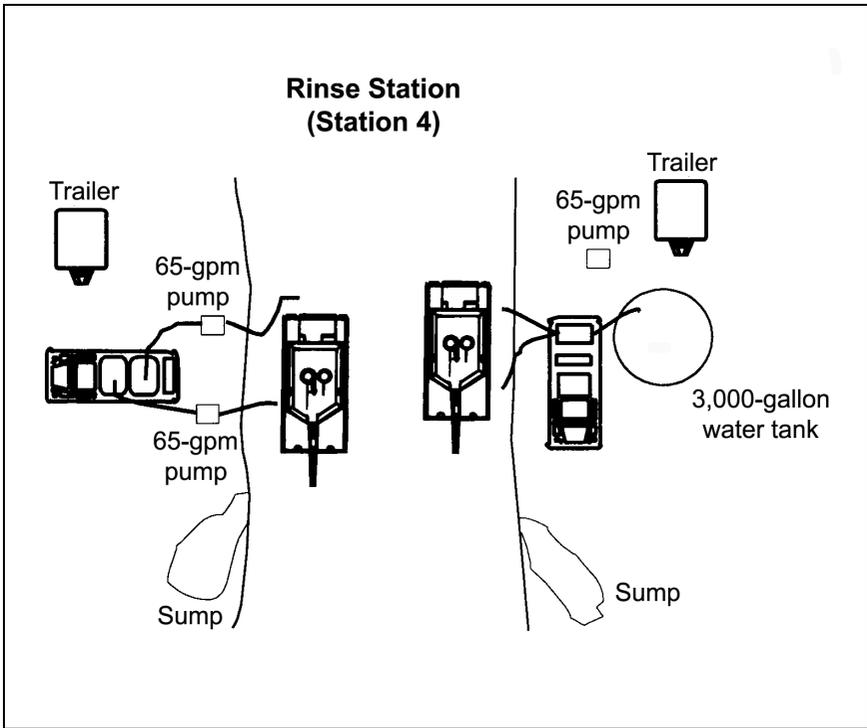


Figure 03-3-D0013-1. Rinse Station Setup

5. Soldiers place two 65- or 125-gallons per minute (gpm) pumps by the TPU to provide backup support for the M17 LWDA in case of failure.
6. Soldiers camouflage all vehicles and equipment, if required.
7. Soldiers perform before-operation preventive-maintenance checks and services (PMCS) on all vehicles/equipment and immediately report all faults.

COACHING POINT: Position the 5-ton truck with a TPU where it can fill the tank. Enter and depart the rinse station using an uncontaminated road.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-12. Crew Drill 03-4-D0021.

TASK: Close Rinse and Check Stations as Part of a Detailed Equipment Decontamination Line (03-4-D0021)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad leader that decontamination operations are completed, and close out procedures commence.)

STANDARDS: Stop operations, clean equipment, and reload all equipment and supplies.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)

STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1018	Operate the 65-gpm Pump
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit
STP 3-54B2-SM	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1032	Prepare the Chemical Agent Monitor for Movement
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1018	Operate the 65-gpm Pump
	031-507-1021	Mark NBC Contaminated Area
	031-507-1022	Decontaminate Equipment Using M13 Decontaminating Apparatus, Portable
	031-507-1041	Operate the M17 Lightweight Decontaminating System

031-507-2013	Supervise Detailed Equipment Decontamination
031-507-2038	Control Contaminated Waste
101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:****1. Resources.**

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.**TALK-THROUGH INSTRUCTIONS:**

1. Orientation. The mission's objective is to provide decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fraticide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

a. Explain the objective in your own words.

b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. After the last vehicle has been processed, soldiers spray the 5-ton truck, the M17 lightweight decontamination apparatus (LWDA), the 65- or 125-gallons per minute (gpm) pumps, and the fabric water tank with hot, soapy water.
2. The M17 LWDA operator turns off the decontamination equipment and begins after-operation preventive-maintenance checks and services (PMCS).
3. Soldiers drain the water from the 1,580- or 3,000-gallon fabric water tank.
4. Soldiers quickly inspect all equipment for contamination and decontaminate it if necessary, then load it on the trucks.
5. Soldiers put all used supplies (M256A1, M8, and M9 paper) in the sump.
6. Soldiers cover the sump with earth, if practical, and mark the site as required.
7. Soldiers remove all camouflage.
8. All vehicle operators move their vehicles to the “clean” holding area on command from the platoon leader/sergeant.

COACHING POINT: Practice clean-up procedures.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-13. Crew Drill 03-4-D0020.

TASK: Close the Interior Decontamination Station as Part of the Detailed Equipment Decontamination Line (03-4-D0020)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad leader that decontamination operations are completed, and close out procedures commence.)

STANDARDS: Stop operations, clean equipment, and reload all equipment and supplies.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation

	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1021	Mark NBC Contaminated Area
STP 3-54B2-SM	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-507-1021	Mark NBC Contaminated Area
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:****1. Resources.**

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. **Orientation.** The mission's objective is to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. **Safety/Fratricide.** The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. **Demonstration (optional).** If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. **Explanation.**
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. After the last vehicle has been processed, soldiers quickly inspect all remaining equipment for contamination and decontaminate it if necessary, then load it on the trucks.
2. Soldiers put all used supplies (any opened cans of decontamination solution #2 [DS2], mops and brushes used in applying the DS2, M256A1 and M295 decontamination kits, and sponges) in the sump.
3. Soldiers cover the sump with earth, if practical, and mark the site as required.

4. Soldiers remove all camouflage.

COACHING POINT: Practice procedures to dispose of all used supplies.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-14. Crew Drill 03-4-D0018.

TASK: Operate Rinse and Check Stations as Part of a Detailed Equipment Decontamination Line (03-4-D0018)

CONDITIONS (CUE): The decontamination squad is part of a decontamination platoon that has the mission to conduct thorough decontamination operations. (The platoon leader notifies the squad

leader that decontamination operations will commence at a designated time, and the holding-area signals the approach of a vehicle.)

STANDARDS: Rinse all decontamination solution #2 (DS2) from the contaminated vehicles, then check each vehicle to determine if the vehicle has a negligible risk or still has significant contamination remaining.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-507-1018	Operate the 65-gpm Pump
	031-507-1020	Operate the M12A1 Decontaminating Apparatus
STP 3-54B2-SM	101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit
	031-507-2013	Supervise Detailed Equipment Decontamination
STP 3-54B2-SM	031-507-2038	Control Contaminated Waste
	031-507-2038	Control Contaminated Waste
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-507-1018	Operate the 65-gpm Pump
	031-507-1020	Operate the M12A1 Decontaminating Apparatus
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2038	Control Contaminated Waste
	101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations.
 - b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The decontamination squad begins rinse station and check station operations.

NOTE: The rinse station requires three persons: an M17 lightweight decontamination apparatus (LWDA) operator and two sprayers; the check station requires two noncommissioned officers (NCOs).

2. The M17 LWDA operator begins to heat the water.

3. Soldiers fill the 1,580- or 3,000-gallon fabric water tank from the 5-ton tank and pump unit (TPU).

4. The 5-ton TPU operator then moves to the water point and refills both pods.

5. Soldiers wash each contaminated vehicle (for 2 to 3 minutes) with hot, soapy water (about 250 gallons per vehicle).

6. Soldiers use the 65- or 125-gallons per minute (gpm) pumps as a backup system, if the M17 LWDA fails.

7. At the check station, soldiers use the chemical agent monitor (CAM) to check for the presence of chemical vapor, then use M8 paper to verify the presence of liquid contamination.

8. If the vehicle has significant contamination remaining, soldiers recycle the vehicle to station #2, based on the commander's recycle criteria.

COACHING POINT: Practice until soldiers know their position and duty before decontaminating the equipment.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-15. Crew Drill 03-4-D0023.

TASK: Occupy an Operational Decontamination Site (03-4-D0023)

CONDITIONS (CUE): The decontaminated squad supports a unit in conducting operational decontamination in the forward combat area, separate from the remainder of the platoon. (The platoon leader gives the squad leader a warning order/fragmentary order [FRAGO] with a not-later-than time to occupy the operational decontamination site.)

STANDARDS: Occupy and establish the operational decontamination site without revealing the location of the site to the enemy.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-312-3007	Prepare a Range Card for an M60 Machine Gun
	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)

STP 21-24-SMCT	071-332-5022	Prepare a Battalion Situation Report (SITREP)
STP 3-54B1-SM	031-507-1018	Operate the 65-gpm Pump
	031-507-1020	Operate the M12A1 Decontaminating Apparatus
	031-507-1041	Operate the M17 Lightweight Decontaminating System
STP 3-54B2-SM	101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit
	031-506-2027	Select Detailed Equipment Decontamination Site
STP 3-54B34-SM-TG	031-507-2006	Conduct Unsupported Operational Decontamination
	031-506-3001	Plan Decontamination Operations
STP 3-54B34-SM-TG	071-332-5022	Prepare a Battalion Situation Report (SITREP)
	031-506-2027	Select Detailed Equipment Decontamination Site
STP 3-CST (ST)	031-506-3001	Plan Decontamination Operations
	031-507-1018	Operate the 65-gpm Pump
	031-507-1020	Operate the M12A1 Decontaminating Apparatus
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	031-507-2006	Conduct Unsupported Operational Decontamination
	071-332-5022	Prepare a Battalion Situation Report (SITREP)
	101-519-1177	Perform Operator's Maintenance and Operate the Tank and Pump Unit

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations.
 - b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstrations, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad leader moves the squad in a tactical road march from the platoon's position to a point near the proposed decontamination site.
 - a. The squad leader and two soldiers move on foot to the decontamination site and survey it.
 - b. If the site is acceptable, the squad leader signals the squad to move into the site.
2. The M17 lightweight decontamination apparatus (LWDA) operator positions the M17 LWDA at the vehicle wash-down point and begins before-operation preventive-maintenance checks and services (PMCS), reporting any faults to the squad leader.
3. Soldiers positioned the 5-ton tank and pump unit (TPU) to serve as a water source next to the M17 LWDA.
4. Soldiers camouflage all vehicles.
5. The squad leader posts security and establishes a perimeter.
6. The squad leader reports his status to the platoon or the supported unit.
7. The squad leader is prepared to man the contact point.
8. The squad leader designates the location of the mission-oriented protection posture (MOPP) gear exchange point.
9. All drivers conduct after-operation PMCS on their vehicles and report all faults to the squad leader.

COACHING POINT: Practice until soldiers know their position and duty before decontaminating the equipment.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-40-MTP	03-3-C224	Conduct Operational Decontamination

ARTEP 3-117-D40-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-207-10-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-219-D60-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-10-MTP	03-3-1011	Conduct Operational Aircraft Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-30-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-477-10-MTP	03-3-C224	Conduct Operational Decontamination

3-16. Crew Drill 03-4-D0024.

TASK: Conduct Vehicle Wash Down of Contaminated Vehicles (03-4-D0024)

CONDITIONS (CUE): The decontamination squad conducts operational decontamination in the forward combat area, separate from the remainder of the platoon. (After meeting the contaminated unit at the contact point, the squad leader gives the order to conduct vehicle wash down of contaminated vehicles.)

STANDARDS: Spray all vehicles with hot, soapy water to remove gross contamination.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)
	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	071-331-0820	Analyze Terrain
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper

	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
STP 3-54B2-SM	031-506-2027	Select Detailed Equipment Decontamination Site
	031-507-2006	Conduct Unsupported Operational Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	031-506-3001	Plan Decontamination Operations
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	031-506-2027	Select Detailed Equipment Decontamination Site
	031-506-3001	Plan Decontamination Operations
	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	031-507-2006	Conduct Unsupported Operational Decontamination
	031-507-2038	Control Contaminated Waste

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations
 - b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The operator starts the decontamination apparatus and engages the heater.
2. Soldiers spray each contaminated vehicle with hot, soapy water for 2 to 3 minutes.
3. Soldiers draw water from the 5-ton tank and pump unit (TPU) first.
4. After all water is drawn from the TPU, the squad leader determines if more water is required.
 - a. If more water is required, the TPU operator moves the TPU to the water point and refills both pods.
 - b. If no more water is required, the TPU remains in place.
5. Soldiers direct all contaminated personnel to the mission-oriented protection posture (MOPP) gear exchange point.

NOTE: The MOPP gear exchange point is set up and operated by the contaminated unit.

6. The contaminated unit takes over the responsibility for site security.
7. The squad leader reports to the platoon that decontamination operations have commenced and gives an estimated time of when the mission will be completed.

COACHING POINT:

1. Perform the vehicle wash-down point in an operational decontamination area.
2. Request support for water replenishment.
3. Ensure that all contaminated decontamination squad/platoon members are directed to the MOPP gear exchange point at the dismount point.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-40-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-D40-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-207-10-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-219-D60-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-10-MTP	03-3-1011	Conduct Operational Aircraft Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-30-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-477-10-MTP	03-3-C224	Conduct Operational Decontamination

3-17. Crew Drill 03-4-D0025.

TASK: Close an Operational Decontamination Site (03-4-D0025)

CONDITIONS (CUE): The decontamination squad closes an operational decontamination site in the forward combat area, separate from the remainder of the platoon. (The squad leader gives the order to close the site after the decontamination operation is completed.)

STANDARDS: All equipment is uploaded. Vehicles and equipment are inspected for contamination and decontaminated as required. The squad moves to the designated location following the closure of the site. No squad members are contaminated.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	071-331-0815	Practice Noise, Light, and Litter Discipline
	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)

	071-332-5022	Prepare a Battalion Situation Report (SITREP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
STP 3-54B2-SM	031-507-2006	Conduct Unsupported Operational Decontamination
	031-507-2038	Control Contaminated Waste
STP 3-54B34-SM-TG	071-332-5022	Prepare a Battalion Situation Report (SITREP)
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	031-507-1018	Operate the 65-gpm Pump
	031-507-1041	Operate the M17 Lightweight Decontaminating System
	031-507-2006	Conduct Unsupported Operational Decontamination
	031-507-2038	Control Contaminated Waste
	071-332-5022	Prepare a Battalion Situation Report (SITREP)

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough to allow for freedom of movement and suitable for decontamination operations.
 - b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. After the last vehicle has been processed, soldiers spray the 5-ton truck, the M7 lightweight decontamination apparatus (LWDA), and the 5-ton tank and pump unit (TPU) with hot, soapy water.
2. The M17 LWDA operator turns off the equipment and begins after-operation preventive-maintenance checks and services (PMCS).
3. Soldiers inspect all equipment and vehicles for contamination using M8 detector paper or the chemical agent monitor (CAM) and decontaminate it if necessary.
4. Soldiers then load all equipment on the trucks.
5. Soldiers inspect the area for contamination and mark it as a contaminated area using the standard North Atlantic Treaty Organization (NATO) marking signs.
6. Soldiers remove all camouflage.
7. All vehicle operators move their vehicles (on order) to a “clean” area designated by the squad leader.
8. The squad leader posts security and establishes the perimeter.
9. Soldiers inspect again, in the “clean” area, for contamination.
 - a. Any contamination found is decontaminated.
 - b. A mission-oriented protection posture (MOPP) gear exchange is conducted, and the squad reduces its MOPP level appropriately.
10. The squad leader contacts the platoon, provides the coordinates of all contaminated areas, and updates the platoon on their status.
11. The squad prepares to conduct a tactical road march to its next location.

COACHING POINT: Inspect the equipment for decontamination before arriving at the decontamination site, while at the site, and after leaving the site.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-40-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-117-D40-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-207-10-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-219-D60-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-10-MTP	03-3-1011	Conduct Operational Aircraft Decontamination Operations
	03-3-C224	Conduct Operational Decontamination
ARTEP 3-457-30-MTP	03-3-C224	Conduct Operational Decontamination
ARTEP 3-477-10-MTP	03-3-C224	Conduct Operational Decontamination

3-18. Crew Drill 03-3-D0029.

TASK: Occupy a Thorough Decontamination Site to Conduct Detailed Troop and Equipment Decontamination (03-3-D0029)

CONDITIONS (CUE): The dual-purpose platoon receives the order to establish a thorough decontamination site in support of a contaminated unit. (The platoon leader receives the order from the supported unit or the company commander to occupy a thorough decontamination site and conduct detailed troop and equipment decontamination.)

STANDARDS: Set up the thorough decontamination site within 90 minutes after occupying the site.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	551-721-1352	Perform Vehicle Preventive Maintenance Checks and Services (PMCS)
STP 21-24-SMCT	031-503-3008	Implement Mission Oriented Protective Posture (MOPP)

	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	071-326-5704	Supervise Construction of a Fighting Position
	071-326-5770	Prepare a Platoon Sector Sketch
	071-332-5022	Prepare a Battalion Situation Report (SITREP)
STP 3-54B1-SM	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor
	031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
	031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
	031-504-1008	Operate the M8A1 Alarm System
	031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
	071-326-5502	Issue a Fragmentary Order
	113-600-1012	Install Telephone Set TA-312/PT for Operation
STP 3-54B2-SM	031-506-2027	Select Detailed Equipment Decontamination Site
	031-507-2013	Supervise Detailed Equipment Decontamination
	031-507-2018	Supervise Detailed Troop Decontamination
	031-507-2038	Control Contaminated Waste
	071-326-3049	Conduct Troop-Leading Procedures for an Operation
STP 3-54B34-SM-TG	031-504-3001	Supervise Positioning of the Chemical Agent Alarm
	031-506-3001	Plan Decontamination Operations
	071-326-5770	Prepare a Platoon Sector Sketch
	071-332-5022	Prepare a Battalion Situation Report (SITREP)
STP 3-CST (ST)	031-503-1030	Prepare the Chemical Agent Monitor for Operation
	031-503-1031	Use the Chemical Agent Monitor

031-503-1037	Detect Chemical Agents Using M8 or M9 Detector Paper
031-503-2001	Identify Chemical Agents Using M256-Series Chemical Agent Detector Kit
031-504-1008	Operate the M8A1 Alarm System
031-504-1013	Operate the M22 Automatic Chemical Agent Alarm
031-504-3001	Supervise Positioning of the Chemical Agent Alarm
031-506-2027	Select Detailed Equipment Decontamination Site
031-506-3001	Plan Decontamination Operations
031-507-2013	Supervise Detailed Equipment Decontamination
031-507-2018	Supervise Detailed Troop Decontamination
031-507-2038	Control Contaminated Waste
071-326-3049	Conduct Troop-Leading Procedures for an Operation
071-326-5502	Issue a Fragmentary Order
071-326-5770	Prepare a Platoon Sector Sketch
071-332-5022	Prepare a Battalion Situation Report (SITREP)
113-600-1012	Install Telephone Set TA-312/PT for Operation

ILLUSTRATIONS: N/A

SETUP INSTRUCTIONS:

1. Resources.

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough to allow for freedom of movement and suitable for decontamination operations.

b. Sufficient natural vegetation and relief to permit accessibility, drainage, cover, and concealment.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to establish and occupy a decontamination site and to provide thorough decontamination operations for the supported unit. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.

2. Safety/Fraticide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).

3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.

4. Explanation.

- a. Explain the objective in your own words.

- b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.

- c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.

- d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

- e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The platoon leader reconnoiters the site and determines if it is free of NBC contamination and enemy troops.

2. The platoon leader selects the predecontamination staging area for the contaminated unit.

3. The platoon leader selects the area for the detailed equipment decontamination and the first, second, and third squads move to that location.

a. The first squad prepares the initial wash.

b. The second squad prepares the decontamination solution #2 (DS2) application and contact time/interior decontamination stations (gives the M17 lightweight decontamination apparatus [LWDA] to the first squad).

c. The third squad prepares the rinse station and the check station.

4. The platoon leader selects the area for the detailed troop decontamination, and the second squad moves to this location and prepares the detailed troop decontamination line after setting up stations #2 and #3.

5. The platoon sergeant selects the call forward point.

6. The platoon leader's driver prepares the decontamination control points and monitors the radios.

7. After occupying the site, the platoon leader determines the priority of work based on—

a. The security.

b. The set up of the decontamination equipment.

c. Camouflage.

d. The wire communication established.

e. Preventive-maintenance checks and services (PMCS) of equipment and vehicles.

f. Rest.

COACHING POINT: Each squad practices setting up for his task until the task can be performed without errors.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-116-MTP	03-2-C312	Conduct Thorough Decontamination Operations

ARTEP 3-117-40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-117-D40-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-207-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-219-D60-MTP	03-2-C312	Conduct Thorough Decontamination Operations
ARTEP 3-457-10-MTP	03-2-C312	Conduct Thorough Decontamination Operations
	03-3-1012	Conduct Thorough Aircraft Decontamination Operations
ARTEP 3-457-30-MTP	03-2-C312	Conduct Thorough Decontamination Operations

3-19. Crew Drill 03-3-D0037.

TASK: Make Smoke (Mobile) (03-3-D0037)

CONDITIONS (CUE): The smoke squad/platoon has the mission to generate smoke in support of the maneuver commander's scheme of maneuver. (The platoon leader or the platoon sergeant gives the order to make smoke.)

STANDARDS: Smoke is generated consistent with the maneuver commander's scheme of maneuver without loss of personnel and equipment.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	113-571-1022	Perform Voice Communications
	551-721-1359	Drive Vehicle in a Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-331-0820	Analyze Terrain
STP 3-54B1-SM	031-508-1068	Operate the M157 Series Smoke Generator System
	031-508-1069	Perform Operator PMCS on the M157 Series Smoke Generator System

	031-508-1070	Perform the Troubleshooting Procedures on the M157 Series Smoke Generator System
	031-508-1072	Service the Engine Head on M54 Smoke Generator
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
STP 3-54B2-SM	031-508-2010	Select Smoke Generator Positions
	031-508-2011	Conduct Tactical Movement Into Smoke Positions
	031-508-2013	Establish Forward Fuel Supply Dump in Support of NBC Operations
	031-508-2014	Conduct Fuel Supply in Support of NBC Operations
	031-508-2015	Advise Commander on Use of Smoke Operations
	031-508-2016	Establish Smoke Generator Positions
	031-508-2060	Predict Weather and Terrain Effects on Smoke
	071-326-3049	Conduct Troop-Leading Procedures for an Operation
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	031-508-3067	Control Smoke Operations
	031-508-3073	Employ the M157 Smoke Generator System
	071-326-5610	Conduct Movement Techniques by a Squad
STP 3-CST (ST)	031-508-1068	Operate the M157 Series Smoke Generator System
	031-508-1069	Perform Operator PMCS on the M157 Series Smoke Generator System
	031-508-1070	Perform the Troubleshooting Procedures on the M157 Series Smoke Generator System
	031-508-1072	Service the Engine Head on M54 Smoke Generator
	031-508-2010	Select Smoke Generator Positions

031-508-2011	Conduct Tactical Movement Into Smoke Positions
031-508-2013	Establish Forward Fuel Supply Dump in Support of NBC Operations
031-508-2014	Conduct Fuel Supply in Support of NBC Operations
031-508-2015	Advise Commander on Use of Smoke Operations
031-508-2016	Establish Smoke Generator Positions
031-508-2060	Predict Weather and Terrain Effects on Smoke
031-508-3067	Control Smoke Operations
031-508-3073	Employ the M157 Smoke Generator System
071-326-0608	Use Visual Signalling Techniques
071-326-3001	Direct a Driver Over a Terrain Route
071-326-3049	Conduct Troop-Leading Procedures for an Operation
071-326-5610	Conduct Movement Techniques by a Squad
071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:**

1. Resources.
 - a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.
 - b. Maps with overlays.
2. Training Site. The training site should provide the following:
 - a. An area large enough for a mounted squad/platoon to move cross-country.
 - b. Sufficient natural vegetation and relief to permit movement by concealed routes.
3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. Orientation. The mission's objective is to provide smoke support and defend the smoke site. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. Safety/Fratricide. The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and FMs.
3. Demonstration (optional). If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. Explanation.
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections, as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for the instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon moves using the appropriate movement formation and technique, based on mission, enemy, terrain, troops, time available, and civilian considerations (METT-TC) factors, to an area where they can generate smoke to cover the smoke objective/target. See Figures 03-3-D0037-1, 03-3-D0037-2, 03-3-D0037-3, and 03-3-D0037-4, pages 3-77 through 3-79.

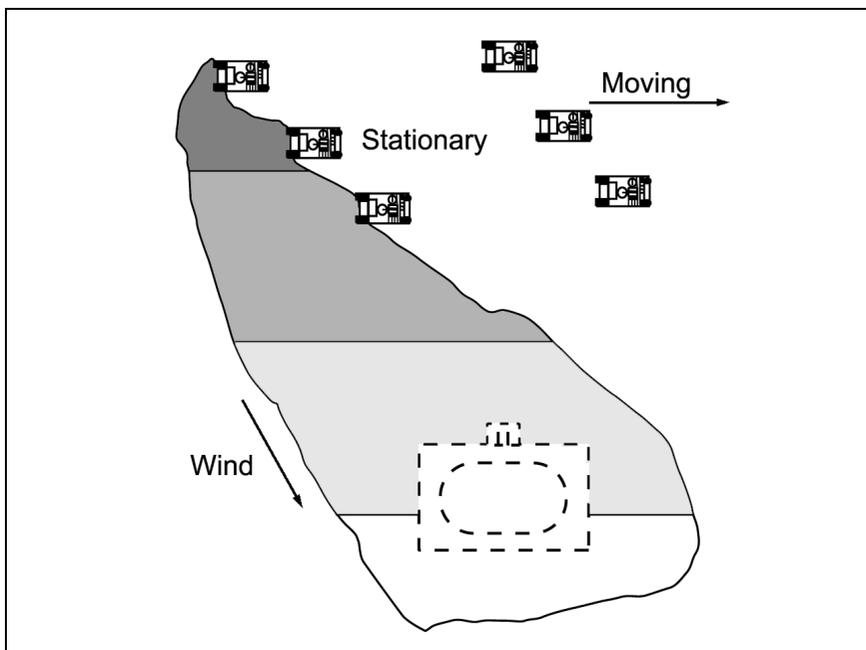


Figure 03-3-D0037-1. Squad Bounding Technique for Mobile Smoke Operations

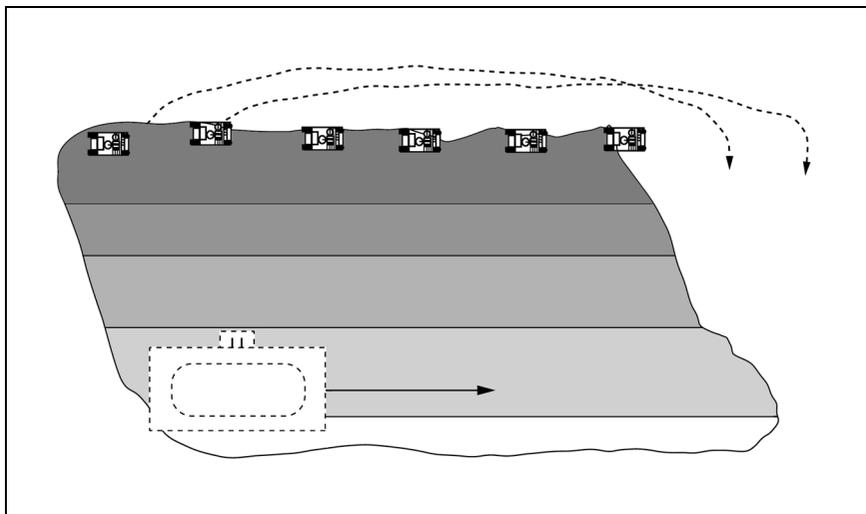


Figure 03-3-D0037-2. Column/Echelon Formation (Leap-Frog Technique) for Mobile or Static Smoke Operations

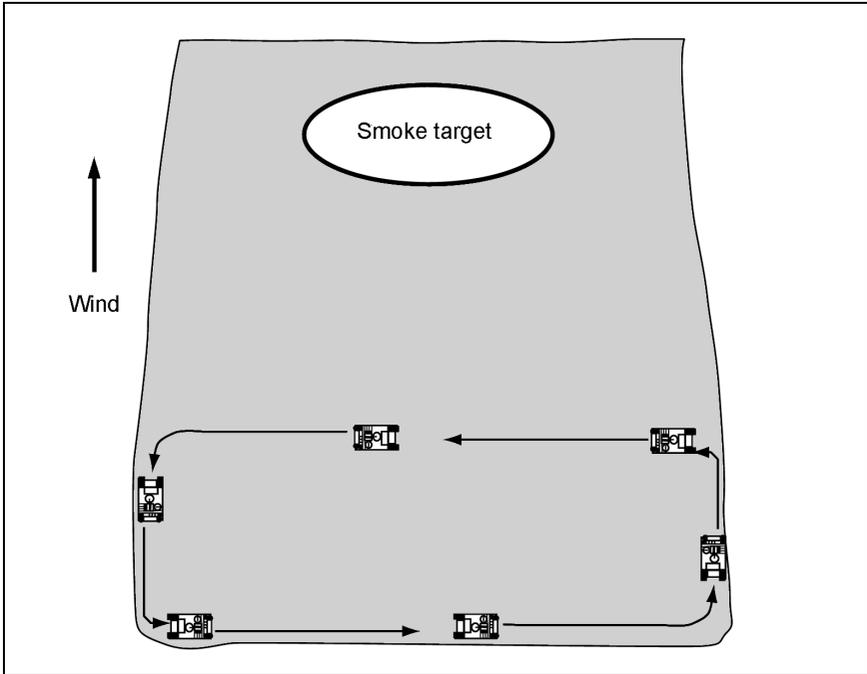


Figure 03-3-D0037-3. Race Track Technique for Mobile Smoke Operations

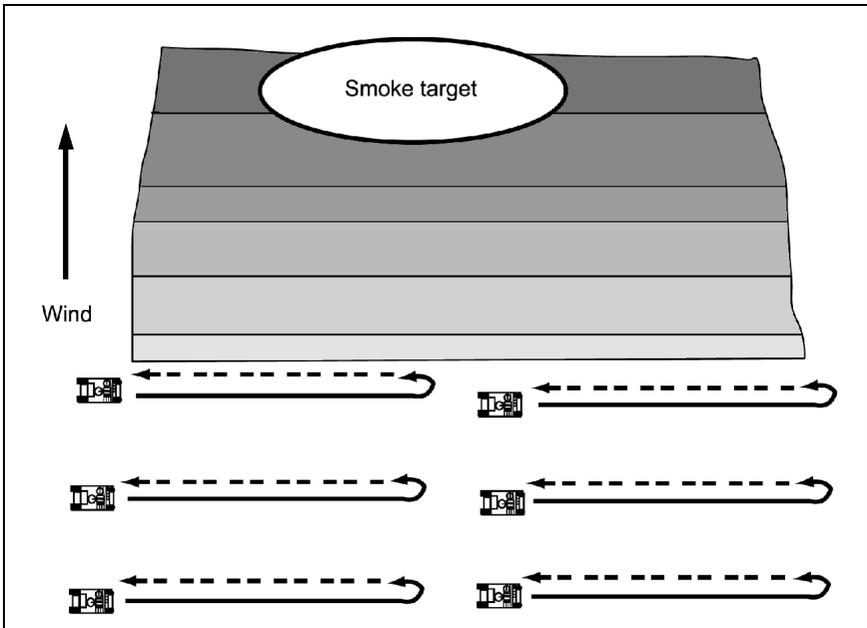


Figure 03-3-D0C0037-4. Back-and-Forth Technique for Stationary Targets

- a. The movement techniques are:
 - (1) Traveling.
 - (2) Traveling overwatch.
 - (3) Bounding overwatch.
 - b. The movement formations are:
 - (1) Echelon right/left.
 - (2) Wedge.
 - (3) Vee.
 - (4) Line.
 - (5) Column.
 - c. The stationary formations are:
 - (1) Herringbone.
 - (2) Coil.
 - d. The mobile smoke operations techniques are:
 - (1) Back-and-forth.
 - (2) Bounding.
 - (3) Squad bounding.
 - (4) Leap-frog.
 - (5) Race track.
2. The smoke squad/platoon moves to a covered/concealed position and prepares for smoke operations.
 3. Soldiers engage all smoke systems on the order to make smoke.
 4. Soldiers supplement the smoke generators with smoke pots, if required.
 5. The platoon leader, occupying a smoke control point/location observes the coverage of the smoke target/objective and instructs the squad/platoon on the proper adjustments.
 6. If in static positions, the squad/platoon establishes effective communication (among all smoke carriers) that will reduce electronic signatures.
 7. The platoon sergeant monitors the fog oil, motor gasoline (MOGAS), and JP-8 levels of all the smoke carriers and determines if a cold/hot or offline/online refuel operation is required.
 8. The platoon sergeant determines when refuel operations will commence.

COACHING POINT: Practice using the appropriate movement formation and technique, based on METT-TC.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-457-10-MTP	03-3-1003	Conduct Smoke Operations
ARTEP 3-457-30-MTP	03-3-1003	Conduct Smoke Operations

3-20. Crew Drill 03-3-D0038.

TASK: Make Smoke (Static) (03-3-D0038)

CONDITIONS (CUE): The smoke squad/platoon has the mission to generate smoke in support of the maneuver commander's scheme of maneuver. (The squad or platoon sergeant or platoon leader gives the command to make smoke.)

STANDARDS: Smoke is generated consistent with the maneuver commander's scheme of maneuver without loss of personnel and equipment.

SUPPORTING INDIVIDUAL TASKS:

References	Task Number	Task Title
STP 21-1-SMCT	113-571-1022	Perform Voice Communications
	551-721-1359	Drive Vehicle in a Convoy
STP 21-24-SMCT	071-326-0608	Use Visual Signalling Techniques
	071-331-0820	Analyze Terrain
STP 3-54B1-SM	031-508-1068	Operate the M157 Series Smoke Generator System
	031-508-1069	Perform Operator PMCS on the M157 Series Smoke Generator System
	031-508-1070	Perform the Troubleshooting Procedures on the M157 Series Smoke Generator System

	031-508-1072	Service the Engine Head on M54 Smoke Generator
	071-326-0608	Use Visual Signalling Techniques
	071-326-3001	Direct a Driver Over a Terrain Route
STP 3-54B2-SM	031-508-2010	Select Smoke Generator Positions
	031-508-2011	Conduct Tactical Movement Into Smoke Positions
	031-508-2013	Establish Forward Fuel Supply Dump in Support of NBC Operations
	031-508-2014	Conduct Fuel Supply in Support of NBC Operations
	031-508-2015	Advise Commander on Use of Smoke Operations
	031-508-2016	Establish Smoke Generator Positions
	031-508-2060	Predict Weather and Terrain Effects on Smoke
	071-326-3049	Conduct Troop-Leading Procedures for an Operation
	071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted
STP 3-54B34-SM-TG	031-508-3067	Control Smoke Operations
	031-508-3073	Employ the M157 Smoke Generator System
	071-326-5610	Conduct Movement Techniques by a Squad
STP 3-CST (ST)	031-508-1068	Operate the M157 Series Smoke Generator System
	031-508-1069	Perform Operator PMCS on the M157 Series Smoke Generator System
	031-508-1070	Perform the Troubleshooting Procedures on the M157 Series Smoke Generator System
	031-508-1072	Service the Engine Head on M54 Smoke Generator
	031-508-2010	Select Smoke Generator Positions
	031-508-2011	Conduct Tactical Movement Into Smoke Positions

031-508-2013	Establish Forward Fuel Supply Dump in Support of NBC Operations
031-508-2014	Conduct Fuel Supply in Support of NBC Operations
031-508-2015	Advise Commander on Use of Smoke Operations
031-508-2016	Establish Smoke Generator Positions
031-508-2060	Predict Weather and Terrain Effects on Smoke
031-508-3067	Control Smoke Operations
031-508-3073	Employ the M157 Smoke Generator System
071-326-0608	Use Visual Signalling Techniques
071-326-3001	Direct a Driver Over a Terrain Route
071-326-3049	Conduct Troop-Leading Procedures for an Operation
071-326-5610	Conduct Movement Techniques by a Squad
071-329-1030	Navigate From One Point on the Ground to Another Point, Mounted

ILLUSTRATIONS: N/A**SETUP INSTRUCTIONS:****1. Resources.**

a. Table(s) of organization and equipment (TOE) assigned personnel and equipment; weapons; vehicles; nuclear, biological, and chemical (NBC)/smoke equipment; communication equipment; and ammunition.

b. Maps with overlays.

2. Training Site. The training site should provide the following:

a. An area large enough for a mounted squad/platoon to move cross-country.

b. Sufficient natural vegetation and relief to permit movement by concealed routes.

3. Unit Instructions. None.

TALK-THROUGH INSTRUCTIONS:

1. **Orientation.** The mission's objective is to provide smoke support and to defend the smoke site. To support this mission or requirement, you must be able to perform this task immediately with very little instruction and guidance.
2. **Safety/Fratricide.** The unit must observe all safety measures in the appropriate safety directives and the applicable technical manuals (TMs) and field manuals (FMs).
3. **Demonstration (optional).** If a nearby unit has successfully performed the drill, that unit may be used to demonstrate the performance of this drill. Explain the critical actions that are being performed and why these actions are critical and essential to the performance of this training. Ensure that you use all performance measures during the explanation of why this task is important. After the demonstration, summarize the strengths and weaknesses of the demonstration unit.
4. **Explanation.**
 - a. Explain the objective in your own words.
 - b. Explain the duties of all soldiers in the squad/platoon. Ensure that everyone knows his duties and responsibilities pertaining to each portion of the drill.
 - c. Sketch a diagram explaining the actions to be taken by each member of the squad/platoon.
 - d. Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.
 - e. Have each member explain his part in detail before training the drill. Make on-the-spot corrections as necessary.

WALK-THROUGH INSTRUCTIONS: The platoon leader ensures that all teams can perform their assigned tasks by conducting a walk-through of all drill tasks. Time standards are disregarded for all instructions.

TASK STEPS AND PERFORMANCE MEASURES:

1. The squad/platoon sets all smoke systems to generate smoke. Soldiers—
 - a. Supplement the smoke generators with smoke pots, as required.
 - b. Establish deceptive smoke positions, as required.
2. The squad/platoon leader occupies a smoke control point to—
 - a. Observe the smoke coverage of the target area.

b. Conduct the proper smoke adjustments to cover the target area.

3. The squad/platoon establishes a telephone hot loop between the smoke positions to reduce electronic signatures.

4. The platoon sergeant determines the time and method (either cold/hot or offline/online) of refueling fog oil and fuel levels.

COACHING POINT: Practice having all smoke generators release smoke on order, adjusting the smoke to reach the target area when needed.

RUN-THROUGH INSTRUCTIONS: The soldiers should practice this drill until they can perform the drill according to the standards without the drill book. The initial run-through should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

PERFORM: When the soldiers can perform this drill according to the standards, the platoon or section leader should evaluate them.

SUPPORTED T&EOS

ARTEP NUMBER	T&EO NUMBER	T&EO TASK TITLE
ARTEP 3-457-10-MTP	03-3-1003	Conduct Smoke Operations
ARTEP 3-457-30-MTP	03-3-1003	Conduct Smoke Operations

APPENDIX A METRIC CONVERSION CHART

Table A-1. Conversion Chart (United States to Metric)

US Units	Multiplied By	Equals Metric Units
Length		
Feet	0.30480	Meters
Inches	2.54000	Centimeters
Inches	0.02540	Meters
Inches	25.40010	Millimeters
Miles (statute)	1.60930	Kilometers
Miles per hour	0.04470	Meters per second
Yards	0.91400	Meters
Volume		
Cubic feet	0.02830	Cubic meters
Cubic yards	0.76460	Cubic meters
Weight		
Pounds	453.59000	Grams
Pounds	0.45359	Kilograms
Length		
Centimeters	0.39370	Inches
Meters per second	2.23700	Miles per hour
Millimeters	0.03937	Inches
Kilometers	0.62137	Miles (statute)
Meters	3.28080	Feet
Meters	39.37000	Inches
Meters	1.09360	Yards
Volume		
Cubic meters	35.31440	Cubic feet
Cubic meters	1.30790	Cubic yards
Weight		
Kilograms	2.20460	Pounds

GLOSSARY**Section I. Abbreviations**

AA	assembly area; antiaircraft
AAR	after-action review
ARTEP	Army Training and Evaluation Program
ATGM	antitank guided missile
ATTN	attention
CAM	chemical agent monitor
DA	Department of the Army; Denmark; direct action
DAP	decontamination apparatus, portable
DS2	decontaminating solution #2
EPW	enemy prisoner of war
FM	field manual; frequency modulated/modulation
FRAGO	fragmentary order
gpm	gallons per minute
HQ	headquarters
HTH	high-test hypochlorite
LWDA	lightweight decontamination apparatus
METT-TC	mission, enemy, terrain, troops, time available, and civilian considerations
MOGAS	motor gasoline
MOPP	mission-oriented protection posture
MOPP 4	mission-oriented protection posture, level 4
MOS	military occupational specialty
N/A	not applicable
NATO	North Atlantic Treaty Organization

NBC	nuclear, biological, and chemical
NCO	noncommissioned officer
NCOIC	noncommissioned officer in charge
O/C	observer/controller
OIC	officer in charge
OP	observation post
OPFOR	opposing forces
PMCS	preventive-maintenance checks and services
SDS	Sorbent Decontamination System
SITREP	situation report
SOP	standing operating procedure
SPOTREP	spot report
STB	super tropical bleach
TM	technical manual; team
TOE	table(s) of organization and equipment
TPU	troop program units; tank and pump unit
TRADOC	United States Army Training and Doctrine Command
US	United States

Section II. Terms

Army Training and Evaluation Program (ARTEP) The cornerstone of unit training. It is the umbrella program to be used by the trainer and training manager in the training evaluation of units. The ARTEP is a complete program enabling commanders to evaluate and develop collective training based on unit weaknesses, then train the unit to overcome those weaknesses and reevaluate. Success on the battlefield depends on the coordinated performance of collective and individual skills that are taught through the ARTEP MTP.

Field manual (FM) A DA publication that contains doctrine that prescribes how the Army and its organizations function on the battlefield in terms of missions, organizations, personnel, and equipment. The level of detail should facilitate an understanding of "what" and "how" for commanders and staffs to execute their missions and tasks. The FM may also be used to publish selected alliance doctrinal publications that are not readily integrated into other doctrinal literature.

Fox M93 NBC Reconnaissance System

MOPP-gear exchange MOPP gear is exchanged to remove gross contamination from soldiers. Mask and hood are wiped down, and individual gear is brushed with decontaminant.

Technical manual (TM) A publication that describes equipment, weapons, or weapons systems with instructions for effective use. It may include sections for instructions covering initial preparation for use and operational maintenance and overhaul.

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

ARMY TRAINING AND EVALUATION PROGRAM

- ARTEP 3-116-MTP *Mission Training Plan for the Chemical Brigade or Battalion.* 23 October 1990
- ARTEP 3-117-40-MTP *Mission Training Plan for the Chemical Section and NBC Center.* 29 September 1994
- ARTEP 3-117-D40-MTP *Mission Training Plan for the Digitized Chemical Section and NBC Center.* To be published within six months.
- ARTEP 3-207-10-MTP *Mission Training Plan for NBC Reconnaissance Platoon.* 5 June 1997
- ARTEP 3-219-D60-MTP *Mission Training Plan for NBC Reconnaissance Platoon (Digital).* To be published within six months.
- ARTEP 3-457-10-MTP *Mission Training Plan for the Smoke/Decontamination Platoon.* 30 September 1992
- ARTEP 3-457-30-MTP *Mission Training Plan for the Chemical Company (All).* 13 October 1994
- ARTEP 3-477-10-MTP *Mission Training Plan for the Biological Detection Platoon/Long-Range Bio Detection Team (Equipped with the Biological Integrated Detection System [BIDS] Long-Range Biological Standoff Detection System [LRBSDS]).* To be published within six months.

FIELD MANUALS

- FM 25-3 *Training in Units.* 12 December 1984
- FM 3-50 *Smoke Operations.* 4 December 1990

SOLDIER TRAINING PUBLICATIONS

STP 21-1-SMCT	<i>Soldier's Manual of Common Tasks Skill Level 1.</i> 1 October 1994
STP 21-24-SMCT	<i>Soldier's Manual of Common Tasks (SMCT) Skill Levels 2-4.</i> 1 October 1992
STP 3-54B1-SM	<i>Soldier's Manual, MOS 54B, Chemical Operations Specialist, Skill Level 1.</i> 16 June 1995
STP 3-54B2-SM	<i>Soldier's Manual, Chemical Operations Specialist, MOS 54B Skill Level 2.</i> 3 October 1995
STP 3-54B34-SM-TG	<i>Soldier's Manual, Skill Levels 3/4 and Trainer's Guide, MOS 54B, Chemical Operations Specialist.</i> 26 January 1996
STP 3-CST (ST)	<i>Soldier's Manual and Trainer's Guide (Special Text) for Civil-Support Team Tasks.</i> To be published within six months.

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

FIELD MANUALS

FM 3-11	<i>Flame, Riot Control Agents and Herbicide Operations.</i> 19 August 1996
FM 3-3	<i>Chemical and Biological Contamination Avoidance.</i> 16 November 1992
FM 3-4	<i>NBC Protection.</i> 29 May 1992
FM 3-5	<i>NBC Decontamination.</i> 28 July 2000

GRAPHIC TRAINING AIDS

GTA 03-02-002	<i>Smoke Pot Employment Guide.</i> 2 April 1984
GTA 03-06-008	<i>NBC Warning and Reporting System.</i> 1 August 1996

By Order of the Secretary of the Army:

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